



# Sathya Web Control (SWC)

## Technical Reference

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## Sathya Web Control (SWC)

**Version: 1**

### **Introduction**

SWC18 is used to get the information by calling a single function. It is used to reduce the lines of code in programming. Also used to reduce the time for spending code searching in online. SWC18 supports .net framework 4.0 and above

### **Modules**

1. DataFun
2. DateTimeFun
3. Encryption64
4. FileFun
5. InfoScheduler
6. MailFun
7. MSSqlFun
8. MySqlFun
9. PageFun
10. PasswordFun
11. WebFun
12. WebSetupFun
13. WinFun
14. XmlFun

### DataFun

It Is Used to Get the Values From Datatable.

#### i. GetDataTableFromCSV

```
public static GetDataTableRspnClxn GetDataTableFromCSV(String)
```

Parameters

**String IData** – Value Specifies the CSV File Data

Return Value

A [GetDataTableRspnClxn](#) value specifies the data table, response, Total Time. A return value of **Response "OK"** specifies that the operation was successful. If an error occurs, the method returns **Response "Error String"**

#### ii. GetDateFromDataTable

```
public static string GetDateFromDataTable(DataTable dt, int Row, string Item)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **String Contain DATA** . that the operation was successful. If an error occurs, the method returns **String ""**

#### iii. GetTimeFromDataTable

```
public static string GetTimeFromDataTable(DataTable dt, int Row, string Item, bool ShowSeconds, bool Show24HourFormat)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

**bool ShowSeconds** -Selected as true Seconds will be return

**bool Show24HourFormat**-Selected as true Railway Time will be return else 12Hrs Format return

Return Value

A return value of **String Contain DATA** . that the operation was successful. If an error occurs, the method returns **String ""**

#### iv. GetDateTimeFromDataTable

```
public static string GetDateTimeFromDataTable(DataTable dt, int Row, string Item, bool ShowSeconds, bool Show24HourFormat)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name  
**bool ShowSeconds** -Selected as true Seconds will be return  
**bool Show24HourFormat**-Selected as true Railway Time will be return else  
12Hrs Format return

Return Value

A return value of **String Contain DATA** . that the operation was successful. If an error occurs, the method returns **String ""**

### v. GetStringFromDataTable

```
public static string GetStringFromDataTable(DataTable dt, int Row, string Item)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **String Contain DATA** . that the operation was successful. If an error occurs, the method returns **String ""**

### vi. GetIntFromDataTable

```
public static int GetIntFromDataTable(DataTable dt, int Row, string Item)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **Integer Contain DATA** . that the operation was successful. If an error occurs, the method returns **Integer "0"**

### vii. GetDecimalFromDataTable

```
public static decimal GetDecimalFromDataTable(DataTable dt, int Row, string Item)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **Decimal Contain DATA** . that the operation was successful. If an error occurs, the method returns **Decimal "0.00"**

### viii. GetDbfFromDataTable

```
public static double GetDbfFromDataTable(DataTable dt, int Row, string Item)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **Double Contain DATA** . that the operation was successful. If an error occurs, the method returns **Double "0.00"**

### ix. **GetRupeeFormatFromDecimal**

```
public static String GetRupeeFormatFromDecimal(decimal amount)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **String Contain DATA Like "11,123.00"** . that the operation was successful. If an error occurs, the method returns **String "0.00"**

### x. **GetINRFromDataTable**

```
public static string GetINRFromDataTable(DataTable dt, int Row, string Item)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **String Contain DATA Like "11,123.00"** . that the operation was successful. If an error occurs, the method returns **String "0.00"**

### xi. **GetHtmlFromDatatables**

```
public static String GetHtmlFromDatatables(DataTable dt)
```

Parameters

**DataTable dt** – Filled Data Table

**int Row** – Particular Row Id

**string Item** – Data table Column Name

Return Value

A return value of **String Contain HTML DATA** . that the operation was successful. If an error occurs, the method returns **String ""**

### DateTimeFun

It is used to convert the DateTime Informations in DD-MMM-YYYY Format.

#### i. FormatDateTime

1. `public static String FormatDateTime(DateTime date, Boolean RailwayTime)`

Parameters

**DateTime date** – Date Value Like DateTime.Now

**bool RailwayTime** – It Enables True 24 Hr Format Result Will Be Return

Return Value

A return value of **String Contain DATETIME**. that the operation was successful. If an error occurs, the method returns **String ""**

2. `public static String FormatDateTime(DateTime date)`

Parameters

**DateTime date** – Date Value Like DateTime.Now

Return Value

A return value of **String Contain DATETIME**. that the operation was successful. If an error occurs, the method returns **String ""**

3. `public static String FormatDateTime(String iDate)`

Parameters

**String date** – 01/01/2018 or 01-Jan-2018

Return Value

A return value of **String Contain DATETIME**. that the operation was successful. If an error occurs, the method returns **String ""**

4. `public static String FormatDateTime(String iDate, Boolean RailwayTime)`

Parameters

**String date** – 01/01/2018 or 01-Jan-2018

**bool RailwayTime** – It Enables True 24 Hr Format Result Will Be Return

Return Value

A return value of **String Contain DATETIME** . that the operation was successful. If an error occurs, the method returns **String ""**

#### ii. FormatDate

1. `public static String FormatDate(DateTime date)`

Parameters

**DateTime date** – value Like DateTime.Now

Return Value

A return value of **String Contain DATE** . that the operation was successful. If an error occurs, the method returns **String ""**

2. `public static String FormatDate(String iDate)`

Parameters

**String date** – value Like 01-Jan-2018

Return Value

A return value of **String Contain DATE** . that the operation was successful. If an error occurs, the method returns **String ""**

## Encryption64

### i. Encryption

1. `public string` Encrypt(`string` StringToEncrypt, `string` Key1, `string` Key2)

Parameters

**String StringToEncrypt** – Value Of Encryption String

**String** Key1–1<sup>st</sup> Key For Encrypting String Data

**String** Key2– 2<sup>nd</sup> Key For Encrypting String Data

Return Value

A return value of **String Response Contain Encrypted Data**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

2. `public string` EncodeUrl(`string` Ur1, `string` Key1, `string` Key2)

Parameters

**String URL** – Domain URL Ex:

`https://swc.sathyainfo.com/default.aspx`

**String** Key1–1<sup>st</sup> Key For Encrypting String Data

**String** Key2– 2<sup>nd</sup> Key For Encrypting String Data

Return Value

A return value of **String Response Contain Encrypted Data**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

### ii. Decryption

1. `public string` Decrypt(`string` StringToDecrypt, `string` Key1, `string` Key2)

Parameters

**String StringToDecrypt** – Value Of Decryption String

**String** Key1–1<sup>st</sup> Key For Encrypting String Data

**String** Key2– 2<sup>nd</sup> Key For Encrypting String Data

Return Value

A return value of **String Response Contain Decrypted Data**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

2. `public string` DecodeUrl(`string` Ur1, `string` Key1, `string` Key2)

Parameters

**String URL** – Domain URL Ex:

`https://swc.sathyainfo.com/default.aspx(encrypted)`

**String** Key1–1<sup>st</sup> Key For Encrypting String Data

**String** Key2– 2<sup>nd</sup> Key For Encrypting String Data

Return Value



A return value of **String Response Contain Decrypted Data**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

3. `public string GetValFromUrl(string DecodedUrl, string Key)`

Parameters

**String DecodeURL** – Domain URL Ex:

`https://swc.sathyainfo.com/default.aspx`

**String Key**– Key Denotes the String Name In Url

Return Value

A return value of **String Response Contain Decrypted Data**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

## InfoScheduler

## MailFun

### i. SMTP Settings

1. `public String LoadSmtp(string Host, int Port, string Email, string Password, bool SSL)`

Parameters

**String Host** – Server IP Or Domain Name For the Mail Server

**Int Port** –Mail Server Outgoing Enabled Port

**String Email** –Mail Account Email Or UserName

**String Password** – Configured Email Account Password

**Bool SSL** –True Denotes Mail Server Configured in SSL else False

Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

### ii. Send Mail

1. `public String Send(string TO, string Subject, string BodyText, bool IsHtml)`

Parameters

**String To** – Mail Recipients List

**String Subject** –Subject of the Mail Part

**String BodyText** –Mail Content Part

**Bool IsHtml** –True Denotes Text Contain Html Format else Text Format

Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

2. `public String Send(string TO, string CC, string BCC, string Subject, string BodyText, bool IsHtml)`

### Parameters

**String To** – Mail Primary Recipients List  
**String CC** – Mail Secondary Recipients List  
**String BCC** – Mail BCC Recipients List Not Shown in Delivered Mailbox  
**String Subject** –Subject of the Mail Part  
**String BodyText** –Mail Content Part  
**Bool IsHtml** –True Denotes Text Contain Html Format else Text Format

### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

3. `public String Send(string TO, string CC, string BCC, string Subject, string BodyText, bool IsHtml, List<string> FileName)`

### Parameters

**String To** – Mail Primary Recipients List  
**String CC** – Mail Secondary Recipients List  
**String BCC** – Mail BCC Recipients List Not Shown in Delivered Mailbox  
**String Subject** –Subject of the Mail Part  
**String BodyText** –Mail Content Part  
**Bool IsHtml** –True Denotes Text Contain Html Format else Text Format  
**List<String> FileName** – FileName Denotes the File Full Path For Attached File. It's supported in Multiple Files Sending Concept

### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

4. `public String Send(string TO, string CC, string BCC, string Subject, string BodyText, bool IsHtml, List<Byte[]> FileByte, List<String> FileName)`

### Parameters

**String To** – Mail Primary Recipients List  
**String CC** – Mail Secondary Recipients List  
**String BCC** – Mail BCC Recipients List Not Shown in Delivered Mailbox  
**String Subject** –Subject of the Mail Part  
**String BodyText** –Mail Content Part  
**Bool IsHtml** –True Denotes Text Contain Html Format else Text Format  
**List<Byte[]> FileByte** – FileByte Denotes the Byte Array of Attached File

**List<String> FileName** – FileName Denotes the File Name of Attached File. Not Need the Full Path of the File

Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

## MSSqlFun

### i. CheckDatabaseConnection

1. `public static String CheckDatabaseConnection(String ConnStr)`

Parameters

**String ConnStr** – Value Specifies the SQL Connection String

Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

### ii. Execute Query

2. `public static CommandRspnClxn ExecuteSQLQuery(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **CommandRspnClxn Response "OK"**. that the operation was successful. If an error occurs, the method returns **CommandRspnClxn.Response "Error String"**

3. `public static SQLQueryResult ExecuteSQLQueryinfo(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **SQLQueryResult Response "OK"**. that the operation was successful. If an error occurs, the method returns **SQLQueryResult.Response "Error String"**

4. `public static CommandRspnClxn ExecuteSQLTrans(string ConnectionStr, List<string> CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**List<String> CommandStr** – Value Specifies the List of SQL Command String

Return Value

A return value of **CommandRspnClxn Response "OK"**. that the operation was successful. If an error occurs, the method returns **CommandRspnClxn.Response "Error String"**

### iii. Get Query

1. `public static DataSetRspnClxn GetDataSetInfoFromQuery(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **DataSetRspnClxn Response "OK" And DataSetRspnClxn.iDataset Return Values**. that the operation was successful. If an error occurs, the method returns **DataSetRspnClxn.Response "Error String"**

2. `public static DataSet GetDataSetFromQuery(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **Dataset Return Values**. that the operation was successful. If an error occurs, the method returns **DataSet Empty**

3. `public static DataTableRspnClxn GetDataTableFromQuery(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **DataTableRspnClxn.Response "OK" and DataTableRspnClxn.iDataTable Return Values**. that the operation was successful. If an error occurs, the method returns **DataTableRspnClxn.Response "Error" iDatatable Empty**

4. `public static DataTable GetDataTableInfoFromQuery(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **DataTable Return Values**. that the operation was successful. If an error occurs, the method returns **DataTable Empty**

5. `public static int GetIntFromQuery(string ConnectionStr, string CommandStr)`

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **Int Return Values**. that the operation was successful. If an error occurs, the method returns **int "0"**

6. `public static string` GetStringFromQuery(`string` ConnectionStr, `string` CommandStr)

Parameters

**String ConnectionStr** – Value Specifies the SQL Connection String

**String CommandStr** – Value Specifies the SQL Command String

Return Value

A return value of **String Return Values**. that the operation was successful. If an error occurs, the method returns **String ""**

7. `public static int` GetMaxId(`string` ConnStr, `string` TableName, `string` FieldName)

Parameters

**String ConnStr** – Value Specifies the SQL Connection String

**String TableName** – Value Specifies the SQL DataBase Table Name

**String FieldName** – Value Specifies the Table Column Name

Return Value

A return value of **Int Return Last Inserted ID**. that the operation was successful. If an error occurs, the method returns **Int "0"**

8. `public static int` InsertRowMax(`string` ConnStr, `string` TableName, `string` FieldName)

Parameters

**String ConnStr** – Value Specifies the SQL Connection String

**String TableName** – Value Specifies the SQL DataBase Table Name

**String FieldName** – Value Specifies the Table Column Name

Return Value

A return value of **Int Inserted New Row and Return Last Inserted ID**. that the operation was successful. If an error occurs, the method returns **Int "0"**

9. `public static int` InsertRowIdentity(`string` ConnStr, `string` Table)

Parameters

**String ConnStr** – Value Specifies the SQL Connection String

**String TableName** – Value Specifies the SQL DataBase Table Name

Return Value

A return value of **Int Its Check the Primary Column ,Inserted New Row and Return Last Inserted ID**. that the operation was successful. If an error occurs, the method returns **Int "0"**

10. `public static string` GetPrimaryKeyColumn(`string` ConnStr, `string` Table)

Parameters

**String ConnStr** – Value Specifies the SQL Connection String

**String TableName** – Value Specifies the SQL DataBase Table Name

Return Value

A return value of **String Its Check the Primary Column and Return Primary Column Name**. that the operation was successful. If an error occurs, the method returns **String ""**

11. `public static DataTableRspnClxn` GetTablesInDB(`string` ConnStr)

Parameters

**String ConnStr** – Value Specifies the SQL Connection String

### Return Value

A return value of **DataTableRspnClxn.Response "OK"** and **DataTableRspnClxn.iDataTable Return Values**. that the operation was successful. If an error occurs, the method returns **DataTableRspnClxn.Response "Error" iDatatable Empty**

12. `public static string CreateTable(string ConnStr, string TableName, DataTableFieldClxn Fields, string PrimaryKey)`

### Parameters

**String ConnStr** – Value Specifies the SQL Connection String

**String TableName** – Value Specifies the SQL DataBase Table Name

**DataTableFieldClxn Fields** – Value Specifies the Table List Of FieldName, FieldType, FieldSize

**String PrimaryKey** – Value Specifies the SQL Connection String

**DataTableFieldClxn** – FieldName, FieldType, FieldSize

### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **Response "Error String"**

## MySQLFun

1. `public static string GetConnectionString(string Server, int Port, string Database, string UserName, string Password)`

### Parameters

**String Server** – Value Specifies the MySQL Installed Server Host Name or IP

**Int Port** – Value Specifies the MySQL Installed Server Allowed Port

**String Database** – Database Name

**String UserName** – MySQL Data Base UserName

**String Password** – MySQL Data Base Password

### Return Value

A return value of **String Build a String in Connection String Format**. that the operation was successful. If an error occurs, the method returns **Response ""**

2. `public static string CheckDatabaseConnection(string ConnectionStr)`

### Parameters

**String ConnStr** – Value Specifies the MySQL Connection String

### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

3. `public static CommandRspnClxn ExecuteSQLQuery(string ConnectionStr, string CommandStr)`

### Parameters

**String ConnectionStr** – Value Specifies the MySQL Connection String

**String CommandStr** – Value Specifies the MySQL Command String

### Return Value

A return value of **CommandRspnClxn Response "OK"**. that the operation was successful. If an error occurs, the method returns **CommandRspnClxn.Response "Error String"**

4. `public static DataSetRspnClxn GetDataSetFromQuery(string ConnectionStr, string CommandStr)`  
Parameters  
**String ConnectionStr** – Value Specifies the MySQL Connection String  
**String CommandStr** – Value Specifies the MySQL Command String  
Return Value  
A return value of **DataSetRspnClxn Response "OK" And DataSetRspnClxn.iDataset Return Values.** that the operation was successful. If an error occurs, the method returns **DataSetRspnClxn.Response "Error String"**
5. `public static DataTableRspnClxn GetDataTableFromQuery(string ConnectionStr, string CommandStr)`  
Parameters  
**String ConnectionStr** – Value Specifies the MySQL Connection String  
**String CommandStr** – Value Specifies the MySQL Command String  
Return Value  
A return value of **DataTableRspnClxn.Response "OK" and DataTableRspnClxn.iDataTable Return Values.** that the operation was successful. If an error occurs, the method returns **DataTableRspnClxn.Response "Error" iDatatable Empty**
6. `public static int GetIntFromQuery(string ConnectionStr, string CommandStr)`  
Parameters  
**String ConnectionStr** – Value Specifies the MySQL Connection String  
**String CommandStr** – Value Specifies the MySQL Command String  
Return Value  
A return value of **Int Return Values.** that the operation was successful. If an error occurs, the method returns **int "0"**
7. `public static string GetStringFromQuery(string ConnectionStr, string CommandStr)`  
Parameters  
**String ConnectionStr** – Value Specifies the MySQL Connection String  
**String CommandStr** – Value Specifies the MySQL Command String  
Return Value  
A return value of **String Return Values.** that the operation was successful. If an error occurs, the method returns **String ""**
8. `public static CommandRspnClxn ExecuteSQLTrans(string ConnectionStr, List<string> CommandStr)`  
Parameters  
**String ConnectionStr** – Value Specifies the MySQL Connection String  
**List<String> CommandStr** – Value Specifies the List of MySQL Command  
String  
Return Value  
A return value of **CommandRspnClxn Response "OK".** that the operation was successful. If an error occurs, the method returns **CommandRspnClxn.Response "Error String"**
9. `public static int GetMaxId(string ConnStr, string TableName, string FieldName)`  
Parameters

**String ConnStr** – Value Specifies the MySQL Connection String  
**String TableName** – Value Specifies the MySQL DataBase Table Name  
**String FieldName** – Value Specifies the Table Column Name

### Return Value

A return value of **Int Return Last Inserted ID**. that the operation was successful. If an error occurs, the method returns **Int "0"**

10. `public static int` InsertRowMax(`string` ConnStr, `string` TableName, `string` FieldName)

### Parameters

**String ConnStr** – Value Specifies the MySQL Connection String  
**String TableName** – Value Specifies the MySQL DataBase Table Name  
**String FieldName** – Value Specifies the Table Column Name

### Return Value

A return value of **Int Inserted New Row and Return Last Inserted ID**. that the operation was successful. If an error occurs, the method returns **Int "0"**

11. `public static int` InsertRowIdentity(`string` ConnStr, `string` Table)

### Parameters

**String ConnStr** – Value Specifies the MySQL Connection String  
**String TableName** – Value Specifies the MySQL DataBase Table Name

### Return Value

A return value of **Int Its Check the Primary Column ,Inserted New Row and Return Last Inserted ID**. that the operation was successful. If an error occurs, the method returns **Int "0"**

## PageFun

1. `public static string` GetPostBackData(`string` ControlID)

### Return Value

A return value of **String Contain DATA**. that the operation was successful. If an error occurs, the method returns **String ""**

2. `public static string` GetPostBackControlId()

### Return Value

A return value of **String Contain DATA**. that the operation was successful. If an error occurs, the method returns **String ""**

3. `public static string` GetClientIp4()

### Return Value

A return value of **String WAN IP**. that the operation was successful. If an error occurs, the method returns **String ""**

4. `public static string` GetPageData(`string` Url)

### Return Value

A return value of **String Page Response Data**. that the operation was successful. If an error occurs, the method returns **String ""**

5. `public static string` GetPageData(`string` Url, `int` TimeoutSeconds)



### Return Value

A return value of **String Page Response Data within Given Timeout Seconds**. that the operation was successful. If an error occurs, the method returns **String ""**

6. [public static string](#) GetQueryString([string](#) Key)

### Return Value

A return value of **String Contain DATA If Query String Contain Key Name**. that the operation was successful. If an error occurs, the method returns **String ""**

7. [public static int](#) GetQueryStringToInt([string](#) QueryString, [int](#) DefaultValue)

### Return Value

A return value of **Int URL Contain QueryString then Return Data Else Return 0**. that the operation was successful. If an error occurs, the method returns **Int "0"**

8. [public static string](#) GetQueryStringToStr([string](#) QueryString, [string](#) DefaultValue)

### Return Value

A return value of **String URL Contain QueryString then Return Data Else Return Default Value**. that the operation was successful. If an error occurs, the method returns **String ""**

9. [public static string](#) ReadCookie([string](#) ItemKey)

### Return Value

A return value of **String Read the Cookie And Return Value**. that the operation was successful. If an error occurs, the method returns **String ""**

10. [public static string](#) WriteCookie([string](#) ItemKey, [string](#) ItemValue)

### Return Value

A return value of **String Write The Cookie And Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

11. [public static string](#) ReadSession([string](#) ItemKey)

### Return Value

A return value of **String Read the Session Variable and Returns Value**. that the operation was successful. If an error occurs, the method returns **String ""**

[public static string](#) WriteSession([string](#) ItemKey, [string](#) ItemValue)

### Return Value

A return value of **String Write The Session And Response "OK"**. that the operation was successful. If an error occurs, the method returns **String ""**

12. [public static void](#) WriteResponse([string](#) ResponseText)

### Return Value

A return value of **Response String Written in Browser**. that the operation was successful.

13. [public static void](#) RedirectPage([string](#) PageUrl)

**Method Used to Redirect The Page**. that the operation was successful. If an error occurs, Page Error Occured

### PasswordFun

1. `public static string` Generate()  
Return Value  
A return value of **String Returns Some List of Characters.** that the operation was successful. If an error occurs, the method returns **String ""**
2. `public static string` Generate(`int` length)  
Parameters  
**Int Length** – Length Specifies the No of Password Character Return  
Return Value  
A return value of **String Response will Return Given Length Character.** that the operation was successful. If an error occurs, the method returns **String "Error String"**
3. `public static string` Generate(`bool` IncludeSymbols, `int` length)  
Parameters  
**Bool IncludeSymbols** – If Selected as True Passwords Generated With Symbols  
**Int Length** – Length Specifies the No of Password Character Return  
Return Value  
A return value of **String Response will Return Given Length Character** with or Without Symbols. that the operation was successful. If an error occurs, the method returns **String "Error String"**

### WebFun

1. `public static string` GetPublicIP()  
Return Value  
A return value of **String WAN IP.** that the operation was successful. If an error occurs, the method returns **String ""**
2. `public static string` GetLocalIP()  
Return Value  
A return value of **String LAN IP.** that the operation was successful. If an error occurs, the method returns **String ""**
3. `public static string` GetSessionTimeoutTime()  
Return Value  
A return value of String **Server IIS Session Timeout Information.** that the operation was successful. If an error occurs, the method returns **String "0"**
4. `public static string` GetWebsitePhysicalRoot()  
Return Value  
A return value of **String Website Path.** that the operation was successful. If an error occurs, the method returns **String "Error String"**
5. `public static string` GetApplicationPath()  
Return Value  
A return value of **String Application Running Path(Root Directory).** that the operation was successful. If an error occurs, the method returns **String "Error String"**

6. `public static string` GetUrlRoot()  
Return Value  
A return value of **String Url Path(LocalHost:56235)**. that the operation was successful. If an error occurs, the method returns **String "Error String"**
7. `public static string` GetPageRoot()  
Return Value  
A return value of **String URI Path With Page**. that the operation was successful. If an error occurs, the method returns **String "Error String"**
8. `public enum` TableTheme  
SWC18\_Blue,  
SWC18\_Red,  
SWC18\_Green,  
SWC18\_Orange,  
SWC18\_Grey,  
SWC18\_Ping
9. `public static` String GetHtmlFromDatatable(DataTable dt)  
Parameters  
**DataTable Dt** – Dt Specifies the Data Table inside Values  
  
Return Value  
A return value of **String Response HTML String Format** that the operation was successful. If an error occurs, the method returns **String ""**
10. `public static` String GetHtmlFromDatatable(TableTheme TableTheme1, DataTable dt)  
Parameters  
**TableTheme Theme1** – Theme1 as Table Theme in Enum List  
**DataTable Dt** – Dt Specifies the Data Table inside Values  
  
Return Value  
A return value of **String Response HTML String Format**. that the operation was successful. If an error occurs, the method returns **String ""**
11. `public static` String GetHtmlFromDatatable(TableTheme TableTheme1, DataTable dt, `bool` IsFooter)  
Parameters  
**TableTheme Theme1** – Theme1 as Table Theme in Enum List  
**DataTable Dt** – Dt Specifies the Data Table inside Values  
**Bool IsFooter** – If Value true Footer Will Be Shown  
  
Return Value  
A return value of **String Response HTML String Format**. that the operation was successful. If an error occurs, the method returns **String ""**
12. `public static` String GetHtmlFromDatatable(TableTheme TableTheme1, DataTable dt, `bool` IsFooter, List<`string`> HeaderUrl)

### Parameters

- TableTheme Theme1** – Theme1 as Table Theme in Enum List
- DataTable Dt** – Dt Specifies the Data Table inside Values
- Bool IsFooter** – If Value true Footer Will Be Shown
- List<String> Header** – Header Specifies the Table Column Header Values

### Return Value

A return value of **String Response HTML String Format**. that the operation was successful. If an error occurs, the method returns **String ""**

13. `public static String GetHtmlFromDatatable(TableTheme TableTheme1, DataTable dt, bool IsFooter, String Url)`

### Parameters

- TableTheme Theme1** – Theme1 as Table Theme in Enum List
- DataTable Dt** – Dt Specifies the Data Table inside Values
- Bool IsFooter** – If Value true Footer Will Be Shown
- String Url** – Url Specifies Link added With Table values

### Return Value

A return value of **String Response HTML String Format**. that the operation was successful. If an error occurs, the method returns **String ""**

## WebSetupFun

1. `public String AddConnectionString(string ConnName, string ConnString)`

### Parameters

- String ConnName** – Value Specifies the SQL Connection String Name
- String ConnString** – Value Specifies the SQL Connection String

### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

2. `public String AddFolder(string FolderName)`

### Parameters

- String FolderName** – Folder Name With Full Path

### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

3. `public String GetReport()`

### Return Value

A return value of **String Html Format String**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

### WinFun

1. `public static String GetPublicIP()`

Return Value

A return value of **String WAN IP**. that the operation was successful. If an error occurs, the method returns **String ""**

2. `public static String GetLocalIP()`

Return Value

A return value of **String LAN IP**. that the operation was successful. If an error occurs, the method returns **String ""**

3. `public static String GetMachineId()`

Return Value

A return value of **String System ID**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

4. `public static String CreateDirectory(String DirectoryName)`

Parameters

**String DirectoryName** – Folder Name With Full Path

Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

5. `public static String DeleteDirectory(String DirectoryName)`

Parameters

**String DirectoryName** – Folder Name With Full Path

Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

6. `public static String GetApplicationPath()`

Return Value

A return value of **String Application Installed Path**. that the operation was successful. If an error occurs, the method returns **String ""**

7. `public static String GetApplicationStartupPath()`

Return Value

A return value of **String Application Startup Path**. that the operation was successful. If an error occurs, the method returns **String ""**

8. `public static String DeleteFiles(string FilePath, int daysduration,String Extension)`

Parameters

**String FilePath** – Folder Name With Full Path

**Int DaysDuration** – Delete Folder inside File in latmodified >DaysDuration

### **String Extension** – Delete the Files in Selected Extension

#### Return Value

A return value of **String Response "OK"**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

9. `public static String GetProcessorId()`

#### Return Value

A return value of **String Processor Id** that the operation was successful. If an error occurs, the method returns **String "Error String"**

`public static String GetHDDSerialNo()`

#### Return Value

A return value of **String HardDisk Serial Number.** that the operation was successful. If an error occurs, the method returns **String ""**

10. `public static string GetMACAddress()`

#### Return Value

A return value of **String System MAC Address.** that the operation was successful. If an error occurs, the method returns **String ""**

11. `public static string GetBoardMaker()`

#### Return Value

A return value of **String Mother Board Maker.**that the operation was successful. If an error occurs, the method returns **String "Error String"**

12. `public static string GetBoardProductId()`

#### Return Value

A return value of **String Mother Board ID.** that the operation was successful. If an error occurs, the method returns **String "Error String"**

13. `public static string GetCdRomDrive()`

#### Return Value

A return value of **String CD Drive Location.** that the operation was successful. If an error occurs, the method returns **String "Error String"**

14. `public static string GetBIOSmaker()`

#### Return Value

A return value of **String BIOS Maker Info.** that the operation was successful. If an error occurs, the method returns **String "Error String"**

`public static string GetBIOSserNo()`

#### Return Value

A return value of **String Bios Serial Number.** that the operation was successful. If an error occurs, the method returns **String "Error String"**

15. `public static string GetBIOScaption()`

#### Return Value

A return value of **String System BIOS Caption**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

16. [public static string](#) GetAccountName()

Return Value

A return value of **String Current System UserName**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

17. [public static string](#) GetPhysicalMemory()

Return Value

A return value of **String Total Physical Memory**. that the operation was successful. If an error occurs, the method returns **String ""**

18. [public static string](#) GetNoRamSlots()

Return Value

A return value of **String No of Ram Slots Available in System**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

19. [public static string](#) GetCPUManufacturer()

Return Value

A return value of **String CPU Manufacturer**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

20. [public static int](#) GetCPUCurrentClockSpeed()

Return Value

A return value of **String CPU Clock Speed**. that the operation was successful. If an error occurs, the method returns **String ""**

21. [public static string](#) GetDefaultIPGateway()

Return Value

A return value of **String Default Gateway IP**. that the operation was successful. If an error occurs, the method returns **String ""**

22. [public static double?](#) GetCpuSpeedInGHz()

Parameters

Return Value

A return value of **String CPU Speed in GHz**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

23. [public static string](#) GetCurrentLanguage()

Return Value

A return value of **String Current Language Type**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

24. [public static string](#) GetOSInformation()

Return Value

A return value of **String Operating System Info** that the operation was successful. If an error occurs, the method returns **String "Error String"**

25. `public static String GetProcessorInformation()`

Return Value

A return value of **String Processor Information**. that the operation was successful. If an error occurs, the method returns **String ""**

26. `public static String GetComputerName()`

Return Value

A return value of **String ComputerName** that the operation was successful. If an error occurs, the method returns **String ""**

27. `public static List<String> GetInstalledFrameWorks()`

Parameters

Return Value

A return value of **String Contain List<DATA>** . that the operation was successful. If an error occurs, the method returns **String List<DATA> is Empty**

## XmlFun

1. `public static string GetXmlValue(String XmlString, String KeyString)`

Parameters

**String XmlString** – Full Xml File In String Format

**String KeyString** – Search Keyword

Return Value

A return value of **String Contain DATA**. that the operation was successful. If an error occurs, the method returns **String ""**

2. `public static string TextToXml(string txtStr)`

Parameters

**String txtStr** – Normal Text

Return Value

A return value of **String XML Format DATA**. that the operation was successful. If an error occurs, the method returns **String ""**

3. `public static string XmlToText(string txtStr)`

Parameters

**String txtStr** – XML Text

Return Value

A return value of **String DATA**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

4. `public static string BuildXML(string xmlKey, string xmlValue)`

Parameters

**String xmlKey** –Text Key

**String xmlValue** –Text Value



### Return Value

A return value of **String XML Format** `< xmlkey > xmlValue </ xmlkey >` that the operation was successful. If an error occurs, the method returns **String "Error String"**

5. `public static string` ReadXmlAttribute(`string` ElementTag, `string` Attribute)

### Parameters

**String** ElementTag –XML Element Value

**String** Attribute –Header Value

### Return Value

A return value of **String Contain DATA**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

6. `public static string` ReadXmlAttribute(`ref string` mSchema, `string` ElementTag, `string` Attribute)

### Parameters

**String** mSchema –Schema Values

**String** ElementTag –XML Element Value

**String** Attribute –Header Value

### Return Value

A return value of **String Contain DATA**. that the operation was successful. If an error occurs, the method returns **String "Error String"**

