Tables

Functions

afx_msg VARIANT	**OSTableUI::CreateReport** (const VARIANT FAR &szReportTitle)
	Creates a report with the specified title.
afx_msg void	**OSTableUI::SaveReport** (const VARIANT FAR &ReportNo)
	Saves the specified report along with all its tables.
afx_msg void	**OSTableUI::SaveReportAll** ()
	Saves all the reports created.
afx_msg VARIANT	**OSTableUI::GetReportCount** ()
	Returns the number of reports created.
afx_msg VARIANT	**OSTableUI::AddTable** (const VARIANT FAR &ToReportNo, const VARIANT FAR &szTableName, const VARIANT FAR &RowNos, const VARIANT FAR &ColNos)
	Add or create a report data table and returns the table no for a specified table.
afx_msg void	**OSTableUI::RenameTable** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo const VARIANT FAR &szTableName)
	Rename an existing report table.
afx_msg void	**OSTableUI::DeleteReport** (const VARIANT FAR &FromReportNo)
	Delete an existing report.
afx_msg void	**OSTableUI::DeleteTable** (const VARIANT FAR &FromReportNo, const VARIANT FAR &TableNo)
	Delete an existing table from report data.
afx_msg void	**OSTableUI::ResizeTable** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &RowNos, const VARIANT FAR &ColNos)
	Resize existing table by increasing numbers of rows and columns from report data.
afx_msg void	**OSTableUI::SaveTable** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo)
	Save a report table.
afx_msg VARIANT	**OSTableUI::GetTableCount** (const VARIANT FAR &OfReportNo)
	Get table count in a specified report..
afx_msg void	**OSTableUI::GetCellValue** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol, VARIANT FAR &varValueStr)
	Get cell values for a specified table.
afx_msg void	**OSTableUI::SetCellValue** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol, const VARIANT FAR &varValue)
	Set cell values for a specified table.
afx_msg void	**OSTableUI::SetColumnHeader** (const VARIANT FAR &ReportNo, const VARIANT FAR ...t VARIANT FAR &lCol, const VARIANT FAR &varHeader)

Loading [MathJax]/extensions/MathZoom.js

Sets column header for a specified table.

afx_msg void	**OSTableUI::SetColumnUnitString** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lCol, const VARIANT FAR &varUnitString) Sets unit for the specific column of a specified table.
afx_msg void	**OSTableUI::SetRowHeader** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &varHeader) Sets row header for the specific row of a specified table.
afx_msg void	**OSTableUI::SetCellTextColor** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol, const VARIANT FAR &lRedValue, const VARIANT FAR &lGreenValue, const VARIANT FAR &lBlueValue) Sets the color of the text to be displayed in a particular cell. By default, the color is always set to black.
afx_msg void	**OSTableUI::SetCellTextBold** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol) Sets the text in a given row and column to bold.
afx_msg void	**OSTableUI::SetCellTextItalic** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol) Italicizes the text in a given row and column.
afx_msg void	**OSTableUI::SetCellTextUnderline** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol) Underlines the text in a given row and column.
afx_msg void	**OSTableUI::SetCellTextHorzAlignment** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol, const VARIANT FAR &lAlign) Sets the text in a particular row and column to a specified horizontal alignment. By default, all the text is right justified.
afx_msg void	**OSTableUI::SetCellTextVertAlignment** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol, const VARIANT FAR &lAlign) Sets the text in a particular row and column to a specified vertical alignment. By default, all the text is top justified.
afx_msg void	**OSTableUI::SetCellTextSize** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &lRow, const VARIANT FAR &lCol, const VARIANT FAR &dSize) Sets the text in a particular row and column to a certain font size. The font sizes are equivalent to the ones used in Microsoft Word.
afx_msg void	**OSTableUI::SetCellTextSizeAll** (const VARIANT FAR &ReportNo, const VARIANT FAR &TableNo, const VARIANT FAR &dSize) Sets the text in the entire table to FontSize. The font sizes are equivalent to the ones used in

Loading [MathJax]/extensions/MathZoom.js

Detailed Description

These functions are related to setting Report Tables.

Function Documentation

◆ AddTable()

Loading [MathJax]/extensions/MathZoom.js

VARIANT OSTableUI::AddTable (const VARIANT FAR & ToReportNo,

const VARIANT FAR & szTableName,

const VARIANT FAR & RowNos,

const VARIANT FAR & ColNos)

`private`

Add or create a report data table and returns the table no for a specified table.

Parameters

[in] **ToReportNo**   Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **szTableName** Report Table Name(Type: String).

[in] **RowNos**   row count of the specified table(Type: long).

[in] **ColNos**   column count of the specified table(Type: long).

Return values

0   Create table error.

Other Table number.

C++ Syntax

```
// Create a report "Table1" of #10 rows and #5 columns.
VARIANT TableNo = OSTableUI::AddTable(1, "Table1", 10, 5);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    End Sub
```

CreateReport()

Loading [MathJax]/extensions/MathZoom.js

VARIANT OSTableUI::CreateReport (const VARIANT FAR & szReportTitle)   `private`

Creates a report with the specified title.

Parameters

> `[in]` **szReportTitle** A null terminated string containing the title of the report.

Return values

> **0**   Create Report error.

> **Other** Report number.

C++ Syntax

```cpp
// Return value containing the reference number for the report created to be used to
    access the report.
VARIANT RetVal = OSTableUI::CreateReport("My Report");
```

VBA Syntax

```vba
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
End Sub
```

◆ DeleteReport()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::DeleteReport (const VARIANT FAR & FromReportNo)   `private`

Delete an existing report.

Parameters

[in] **FromReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

C++ Syntax

```
// Delete an existing table from report data.
OSTableUI::DeleteReport(1);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.DeleteReport(nReportNum)
    End Sub
```

◆ DeleteTable()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::DeleteTable (const VARIANT FAR & FromReportNo,

const VARIANT FAR & TableNo)

private

Delete an existing table from report data.

Parameters

[in] **FromReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

C++ Syntax

```
// Delete an existing table from report data.
OSTableUI::DeleteTable(1, 2);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.DeleteTable(nReportNum, nTableNum)
    End Sub
```

◆ GetCellValue()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::GetCellValue (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & lRow,

const VARIANT FAR & lCol,

VARIANT FAR &   varValueStr)   `private`

Get cell values for a specified table.

Parameters

[in] **ReportNo**   Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lRow**   row number for specified table, Start from 1(Type: long).

[in] **lCol**   column Number for specified table, Start from 1(Type: long).

[out] **varValueStr**   Get cell value for specified cell in the table (Type: String).

C++ Syntax

```
// Get cell values for a specified table.
OSTableUI::GetCellValue(1, TableNo, 10, 5, &varValueStr);
```

VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
    objOpenStaad.Table.SaveTable(nReportNum, nTableNum)
    Dim RowNum As Long
    Dim ColumnNum As Long
```

Loading [MathJax]/extensions/MathZoom.js   ng

```
        ColumnNum = 1
        objOpenStaad.Table.GetCellValue(nReportNum, nTableNum, RowNum, ColumnNum, strValue)
        MsgBox strValue
    End Sub
```

◆ GetReportCount()

VARIANT OSTableUI::GetReportCount ( )
`private`

Returns the number of reports created.

C++ Syntax

```
// Returns the number of reports created.
VARIANT RetVal = OSTableUI::GetReportCount();
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportCount As Long
        reportCount = objOpenStaad.Table.GetReportCount()
    End Sub
```

◆ GetTableCount()

Loading [MathJax]/extensions/MathZoom.js

VARIANT OSTableUI::GetTableCount (const VARIANT FAR & OfReportNo) `private`

Get table count in a specified report..

Parameters

[in] **OfReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

C++ Syntax

```
// Get report table count
VARIANT TableCount = OSTableUI::GetTableCount(1);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    Dim tableCount As Long
    tableCount = objOpenStaad.Table.GetTableCount(nReportNum)
    End Sub
```

◆ RenameTable()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::RenameTable (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & szTableName)   `private`

Rename an existing report table.

Parameters

[in] **ReportNo**   Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **szTableName** Report Table Name(Type: String).

C++ Syntax

```cpp
// Rename an existing report table from "Table1" to "Table2".
OSTableUI::RenameTable(1, 2, "Table2");
```

VBA Syntax

```vba
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.RenameTable(nReportNum, nTableNum, "testtable2")
    End Sub
```

◆ ResizeTable()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::ResizeTable (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & RowNos,

const VARIANT FAR & ColNos)   `private`

Resize existing table by increasing numbers of rows and columns from report data.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling
OSTableUI::AddTable.

[in] **RowNos** row count for specified table(Type: long).

[in] **ColNos** column count for specified table(Type: long).

C++ Syntax

```
// Resize an existing report table by increasing numbers of rows and columns.
OSTableUI::ResizeTable(1, 2, 12, 6);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.ResizeTable(nReportNum, nTableNum, 12, 12)
    End Sub
```

◆ SaveReport()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SaveReport (const VARIANT FAR & ReportNo)   `private`

Saves the specified report along with all its tables.

Parameters

[in] **ReportNo** Providing the report number identifying the STAAD report which is to be saved(Type: Int).

C++ Syntax

```cpp
// Saves the specified report along with all its tables.
OSTableUI::SaveReport(ReportNo);
```

VBA Syntax

```vba
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
    objOpenStaad.Table.SaveTable(nReportNum, nTableNum)
    objOpenStaad.Table.SaveReport(nReportNum)
End Sub
```

◆ SaveReportAll()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SaveReportAll ( ) private

Saves all the reports created.

C++ Syntax

```cpp
// Saves all the reports created.
OSTableUI::SaveReportAll();
```

VBA Syntax

```vba
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportnameStr As String
        reportnameStr = "testreport"
        Dim nReportNum As Long
        nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
        Dim nTableNum As Long
        Dim tablenameStr As String
        tablenameStr = "testtable"
        nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
        objOpenStaad.Table.SaveTable(nReportNum, nTableNum)
        objOpenStaad.Table.SaveReportAll()
    End Sub
```

◆ SaveTable()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SaveTable (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo)

`private`

Save a report table.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

C++ Syntax

```cpp
// Save a report table.
OSTableUI::SaveTable(1, 2);
```

VBA Syntax

```vba
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.SaveTable(nReportNum, nTableNum)
    End Sub
```

◆ SetCellTextBold()

Loading [MathJax]/extensions/MathZoom.js

```
void OSTableUI::SetCellTextBold ( const VARIANT FAR & ReportNo,
                                  const VARIANT FAR & TableNo,
                                  const VARIANT FAR & lRow,
                                  const VARIANT FAR & lCol )
```
<div style="text-align:right">`private`</div>

Sets the text in a given row and column to bold.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling
             OSTableUI::AddTable.

[in] **lRow**   row number for specified table, start from 1(Type: long).

[in] **lCol**   column number for specified table, start from 1(Type: long).

C++ Syntax

```cpp
// Sets the text in a given row and column to bold.
OSTableUI::SetCellTextBold(1, TableNo, 10, 5);
```

VBA Syntax

```vba
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportnameStr As String
        reportnameStr = "testreport"
        Dim nReportNum As Long
        nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
        Dim nTableNum As Long
        Dim tablenameStr As String
        tablenameStr = "testtable"
        nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
        objOpenStaad.Table.SetCellTextBold(nReportNum, nTableNum, 2, 2)
    End Sub
```

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SetCellTextColor (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & IRow,

const VARIANT FAR & ICol,

const VARIANT FAR & IRedValue,

const VARIANT FAR & IGreenValue,

const VARIANT FAR & IBlueValue)   `private`

Sets the color of the text to be displayed in a particular cell. By default, the color is always set to black.

Parameters

[in] **ReportNo**	Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.
[in] **TableNo**	Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.
[in] **IRow**	row number for specified table, start from 1(Type: long).
[in] **ICol**	column number for specified table, start from 1(Type: long).
[in] **IRedValue**	An integer between 0 and 255 that represents the intensity of red in the color for the text(Type: long).
[in] **IGreenValue**	An integer between 0 and 255 that represents the intensity of green in the color for the text(Type: long).
[in] **IBlueValue**	An integer between 0 and 255 that represents the intensity of blue in the color for the text(Type: long).

C++ Syntax

```
// An integer between 0 and 255 that represents the intensity of red, green or blue in
        the color for the text.
// A value of 0 for a particular color indicates that no shade of that color will be
        mixed into the final color.
// Sets the color (Green) of the text to be displayed in a particular cell.
OSTableUI::SetCellTextColor(1, TableNo, 10, 5, 0, 255, 0);
```

VBA Syntax

```
' An integer between 0 and 255 that represents the intensity of red, green or blue in
        the color for the text.
' A value of 0 for a particular color indicates that no shade of that color will be
        mixed into the final color.
Option Explicit
  Sub Main
      Dim objOpenStaad As Object
      Dim stdFile As String
      Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
      objOpenStaad.GetSTAADFile stdFile, "TRUE"
      If stdFile="" Then
```

Loading [MathJax]/extensions/MathZoom.js `aad = Nothing`

```
            Exit Sub
```

```
            End If
            Dim reportnameStr As String
            reportnameStr = "testreport"
            Dim nReportNum As Long
            nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
            Dim nTableNum As Long
            Dim tablenameStr As String
            tablenameStr = "testtable"
            nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
            objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
            objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
            objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
            objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
            objOpenStaad.Table.SetCellTextColor(nReportNum, nTableNum,1,2, 240, 0, 0)
        End Sub
```

◆ SetCellTextHorzAlignment()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SetCellTextHorzAlignment (const VARIANT FAR & ReportNo,
const VARIANT FAR & TableNo,
const VARIANT FAR & lRow,
const VARIANT FAR & lCol,
const VARIANT FAR & lAlign)

`private`

Sets the text in a particular row and column to a specified horizontal alignment. By default, all the text is right justified.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lRow** row number for specified table, start from 1(Type: long).

[in] **lCol** column number for specified table, start from 1(Type: long).

[in] **lAlign** Sets the text in a particular row and column to a specified horizontal alignment(Type: long). The possible values are:0 = left; 1 = center; 2 = right

C++ Syntax

```
// Containing the type of horizontal alignment to apply.
// The possible values are:0 = left; 1 = center; 2 = right
OSTableUI::SetCellTextHorzAlignment(1, TableNo, 10, 5, 1);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportnameStr As String
        reportnameStr = "testreport"
        Dim nReportNum As Long
        nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
        Dim nTableNum As Long
        Dim tablenameStr As String
        tablenameStr = "testtable"
        nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
        e.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
        e.SetCellTextHorzAlignment(nReportNum, nTableNum, 2, 2, 0)
```

Loading [MathJax]/extensions/MathZoom.js

```
    End Sub
```

◆ SetCellTextItalic()

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SetCellTextItalic (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & IRow,

const VARIANT FAR & ICol)

private

Italicizes the text in a given row and column.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling
OSTableUI::AddTable.

[in] **IRow** row number for specified table, start from 1(Type: long).

[in] **ICol** column number for specified table, start from 1(Type: long).

C++ Syntax

```
// Italicizes the text in a given row and column.
// Italicize the text in row 10 and column 5
OSTableUI::SetCellTextItalic(1, TableNo, 10, 5);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportnameStr As String
        reportnameStr = "testreport"
        Dim nReportNum As Long
        nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
        Dim nTableNum As Long
        Dim tablenameStr As String
        tablenameStr = "testtable"
        nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
        objOpenStaad.Table.SetCellTextItalic(nReportNum, nTableNum, 2, 2)
    End Sub
```

Loading [MathJax]/extensions/MathZoom.js

SetCellTextSize()

void OSTableUI::SetCellTextSize (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & lRow,

const VARIANT FAR & lCol,

const VARIANT FAR & dSize)   `private`

Sets the text in a particular row and column to a certain font size. The font sizes are equivalent to the ones used in Microsoft Word.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lRow** row number for specified table, start from 1(Type: long).

[in] **lCol** column number for specified table, start from 1(Type: long).

[in] **dSize** Containing the size of the font to set the text to(Type: Double).

C++ Syntax

```
// The text in a particular row and column to a certain font size.
OSTableUI::SetCellTextSize(1, TableNo, 10, 5, 16.0);
```

VBA Syntax

```
Option Explicit
   Sub Main
       Dim objOpenStaad As Object
       Dim stdFile As String
       Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
       objOpenStaad.GetSTAADFile stdFile, "TRUE"
       If stdFile="" Then
           MsgBox"Bad"
           Set objOpenStaad = Nothing
           Exit Sub
       End If
       Dim reportnameStr As String
       reportnameStr = "testreport"
       Dim nReportNum As Long
       nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
       Dim nTableNum As Long
       Dim tablenameStr As String
       tablenameStr = "testtable"
       nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
       objOpenStaad.Table.SetCellTextSize(nReportNum, nTableNum, 2, 2, 16.0)
   End Sub
```

Loading [MathJax]/extensions/MathZoom.js

◆ SetCellTextSizeAll()

void OSTableUI::SetCellTextSizeAll (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & dSize)

<div style="border:1px solid gray; display:inline-block; padding:2px">private</div>

Sets the text in the entire table to FontSize. The font sizes are equivalent to the ones used in Microsoft Word.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **dSize**   Containing the size of the font to set the entire table to(Type: Double).

C++ Syntax

```
// The text in the entire table to FontSize.
OSTableUI::SetCellTextSizeAll(1, TableNo, 16.0);
```

VBA Syntax

```
Option Explicit
   Sub Main
       Dim objOpenStaad As Object
       Dim stdFile As String
       Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
       objOpenStaad.GetSTAADFile stdFile, "TRUE"
       If stdFile="" Then
           MsgBox"Bad"
           Set objOpenStaad = Nothing
           Exit Sub
       End If
       Dim reportnameStr As String
       reportnameStr = "testreport"
       Dim nReportNum As Long
       nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
       Dim nTableNum As Long
       Dim tablenameStr As String
       tablenameStr = "testtable"
       nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
       objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
       objOpenStaad.Table.SetCellTextSizeAll(nReportNum, nTableNum, 22.0)
   End Sub
```

Loading [MathJax]/extensions/MathZoom.js

void OSTableUI::SetCellTextUnderline (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & IRow,

const VARIANT FAR & ICol)

`private`

Underlines the text in a given row and column.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **IRow** row number for specified table, start from 1(Type: long).

[in] **ICol** column number for specified table, start from 1(Type: long).

C++ Syntax

```cpp
// Underlines the text in a given row and column.
OSTableUI::SetCellTextUnderline(1, TableNo, 10, 5);
```

VBA Syntax

```vba
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportnameStr As String
        reportnameStr = "testreport"
        Dim nReportNum As Long
        nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
        Dim nTableNum As Long
        Dim tablenameStr As String
        tablenameStr = "testtable"
        nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
        objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
        objOpenStaad.Table.SetCellTextUnderline(nReportNum, nTableNum, 2, 2)
    End Sub
```

Loading [MathJax]/extensions/MathZoom.js   ent()

void OSTableUI::SetCellTextVertAlignment (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & lRow,

const VARIANT FAR & lCol,

const VARIANT FAR & lAlign)   `private`

Sets the text in a particular row and column to a specified vertical alignment. By default, all the text is top justified.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lRow** row number for specified table, start from 1(Type: long).

[in] **lCol** column number for specified table, start from 1(Type: long).

[in] **lAlign** Sets the text in a particular row and column to a specified vertical alignment(Type: long). The possible values are:0 = top; 4 = center; 8 = bottom

C++ Syntax

```
// Sets the text in a particular row and column to a specified vertical alignment.
// The possible values are:0 = top; 4 = center; 8 = bottom
OSTableUI::SetCellTextVertAlignment(1, TableNo, 10, 5, 0);
```

VBA Syntax

```
 ' Sets the text in a particular row and column to a specified vertical alignment.
 ' The possible values are:0 = top; 4 = center; 8 = bottom
Option Explicit
  Sub Main
      Dim objOpenStaad As Object
      Dim stdFile As String
      Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
      objOpenStaad.GetSTAADFile stdFile, "TRUE"
      If stdFile="" Then
          MsgBox"Bad"
          Set objOpenStaad = Nothing
          Exit Sub
      End If
      Dim reportnameStr As String
      reportnameStr = "testreport"
      Dim nReportNum As Long
      nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
      Dim nTableNum As Long
      Dim tablenameStr As String
      tablenameStr = "testtable"
      nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
      objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
      e.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
      e.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
      objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
```

Loading [MathJax]/extensions/MathZoom.js

```
        objOpenStaad.Table.SetCellTextVertAlignment(nReportNum, nTableNum, 2, 2, 8)
    End Sub
```

◆ SetCellValue()

Loading [MathJax]/extensions/MathZoom.js

```
void OSTableUI::SetCellValue ( const VARIANT FAR & ReportNo,
                               const VARIANT FAR & TableNo,
                               const VARIANT FAR & lRow,
                               const VARIANT FAR & lCol,
                               const VARIANT FAR & varValue )
```
`private`

Set cell values for a specified table.

Parameters

[in] **ReportNo** Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo** Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lRow**   row number for specified table, start from 1(Type: long).

[in] **lCol**   column number for specified table, start from 1(Type: long).

[in] **varValue** set cell value for specified cell in the table(Type: String).

C++ Syntax

```
// Set cell values for a specified table.
OSTableUI::SetCellValue(1, TableNo, 10, 5, varValue);
```

VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 1, "abc")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 1, 2, "efg")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 1, "xyz")
    objOpenStaad.Table.SetCellValue(nReportNum, nTableNum, 2, 2, "mno")
End Sub
```

Loading [MathJax]/extensions/MathZoom.js

◆ SetColumnHeader()

void OSTableUI::SetColumnHeader (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & lCol,

const VARIANT FAR & varHeader)   `private`

Sets column header for a specified table.

Parameters

[in] **ReportNo**   Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lCol**   column number for specified table, start from 1(Type: long).

[in] **varHeader** Column header for a specified column in table(Type: String).

C++ Syntax

```
// Sets column header for a specified table.
OSTableUI::SetColumnHeader(1, TableNo, 5, varHeader);
```

VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    Dim headerStr As String
    headerStr = "Header1"
    objOpenStaad.Table.SetColumnHeader(nReportNum, nTableNum,1,headerStr)
End Sub
```

Loading [MathJax]/extensions/MathZoom.js

◆ SetColumnUnitString()

void OSTableUI::SetColumnUnitString (const VARIANT FAR & ReportNo,

const VARIANT FAR & TableNo,

const VARIANT FAR & lCol,

const VARIANT FAR & varUnitString)   private

Sets unit for the specific column of a specified table.

Parameters

[in] **ReportNo**   Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lCol**   column number for specified table, start from 1(Type: long).

[in] **varUnitString** set unit for the specific column of a specified table(Type: String).

C++ Syntax

```
// Sets unit for the specific column of a specified table.
OSTableUI::SetColumnUnitString(1, TableNo, 5, varUnitString);
```

VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim reportnameStr As String
    reportnameStr = "testreport"
    Dim nReportNum As Long
    nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
    Dim nTableNum As Long
    Dim tablenameStr As String
    tablenameStr = "testtable"
    nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
    Dim unitStr As String
    unitStr = "mm"
    objOpenStaad.Table.SetColumnUnitString(nReportNum, nTableNum,1,unitStr)
End Sub
```

Loading [MathJax]/extensions/MathZoom.js

◆ SetRowHeader()

void OSTableUI::SetRowHeader (const VARIANT FAR & ReportNo,
                                        const VARIANT FAR & TableNo,
                                        const VARIANT FAR & lRow,
                                        const VARIANT FAR & varHeader)   `private`

Sets row header for the specific row of a specified table.

Parameters

[in] **ReportNo**   Report number(Type: int), It can be obtained be calling **OSTableUI::CreateReport**.

[in] **TableNo**   Table number in specified report (Type: long), It can be obtained be calling **OSTableUI::AddTable**.

[in] **lRow**   row number for specified table, start from 1(Type: long).

[in] **varHeader** set header for the specific row of a specified table(Type: String).

C++ Syntax

```
// Sets row header for the specific row of a specified table.
OSTableUI::SetRowHeader(1, TableNo, 5, varHeader);
```

VBA Syntax

```
Option Explicit
    Sub Main
        Dim objOpenStaad As Object
        Dim stdFile As String
        Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
        objOpenStaad.GetSTAADFile stdFile, "TRUE"
        If stdFile="" Then
            MsgBox"Bad"
            Set objOpenStaad = Nothing
            Exit Sub
        End If
        Dim reportnameStr As String
        reportnameStr = "testreport"
        Dim nReportNum As Long
        nReportNum = objOpenStaad.Table.CreateReport(reportnameStr)
        Dim nTableNum As Long
        Dim tablenameStr As String
        tablenameStr = "testtable"
        nTableNum = objOpenStaad.Table.AddTable(nReportNum, tablenameStr, 2, 2)
        Dim rowHeaderStr As String
        rowHeaderStr = "row1"
        objOpenStaad.Table.SetRowHeader(nReportNum, nTableNum,1,rowHeaderStr)
    End Sub
```

Loading [MathJax]/extensions/MathZoom.js