List of functions

new XTRA initialisation.

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colRow2Ref Transformation of cell in Col and Row format to Ref format.

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The function deletes columns in the actual sheet in the xls document.
The function deletes rows in the actual sheet in the xls document.

errorDialog A preselection giving choice to show the dialogue window with error statement.

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The function gives information about an error occured while working with the XTRA.

The function gives number of the first column containing data used in a sheet.

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The function returns the cell contents in Html format.
The function returns the cell contents in Html format.
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The function returns the cell contents in Rtf format.

The function returns the cell contents in Rtf format.

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The function returns contents of the cell according to the type of variable.
The function returns contents of the cell according to the type of variable.
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Is No Error

Test made to show whether an error occurred during work with the

isNoErrorTest made to show whether an error occured during work with the XTRA.lastColThe function gives number of the last column containing data used in a sheet.lastRowThe function gives number of the last row containing data used in a sheet.

loadFromFile Reading of an xls file.

loadFromHttp Loading of the xls file from the http.

loadFromZip Reading of xls documents saved in a zip archive.

ref2ColRow Transformation of cell in Ref format to Col and Row format.

saveToFile XIs file saving.

setActiveSheet Setting of the actual sheet in xls, which we want to work with.

setCellBoolean The function saves the contents in the boolean format to a cell in xls document.

setCellDateTime The function saves contents of the propertyList to a cell in the xls document in the format

DateTime.

setCellDouble The function saves the contents in the double format to a cell in xls document.

setCellFontColor The function sets colour of the text for the chosen cell.

setCellFontName The function sets font for the chosen cell.

setCellFontSize The function sets size of font for the chosen cell.

setCellFontStyle The function sets a text style for a cell.

setCellFormula The function saves the calculation formula in xls document.

SetCellHAlign The function sets text alignment in cell in the horizontal shape.

List of functions

setCellInteger The function saves the contents in the integer format to a cell in xls document.

setCellRotation The function rotates a text in cell by a certain angle.

setCellString The function saves the contents in the string format to a cell in xls document. setCellUTF8String

The function saves the contents in the UTF-8 string format to a cell in xls document.

setCellVAlign The function sets text alignment in cell in the vertical shape.

sheetProtection Function of sheet locking.

xtraVersion Finding out of version of XTRA dmmXLS.x32.

dataHttp The event monitores the downloading of the xls file from the http.

xtraError This event is invoked in case an error occurred during work with the XTRA.

new

It is necessary to initiate the dmmXLS XTRA before the first use.

Example - Director

global xls

openXlib the pathName&"dmmXLS.x32"

xls=new(xtra "dmmXLS")

If the library dmmXLS.x32 is located in the XTRAS folder it is enough to insert

global xls

xls=new(xtra "dmmXLS")

Example - Authorware

xls:=NewObject("dmmXLS")

void=registration(name: string, code:string)

This function has to be called before the first use of the dmmXLS immediately after its initialisation. Unless the right registration name and number are inserted, an announcement "this is a demo version" will appear.

Parameters

Type of name is string, for the demo version name = "dmm".

Type of code is string, for the demo version code= "demo". The chain for commercial version is unique.

To register the user will receive parameters code and name.

Example - Director

global xls

xls.registration("dmm", "demo")

Example - Authorware

CallObject(xls; "registration"; "dmm"; "demo")

void=cellProtection(col: integer, row: integer, protect: boolean)

The function locks the cell.

Parameters

Col and row are coordinates of the cell we want to lock. Protect is a logical variable defining whether the cell is locked or open. For protect=true the cell is locked, for protect=false it is open.

Example - Director

xls.setActiveSheet(1)

xls.sheetProtection(false)

xls.setCellInteger(1, 5, 27)

xls.cellProtection(1, 5, false)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)
CallObject(xls; "sheetProtection"; false)
CallObject(xls; "setCellInteger"; 1; 5; 27)

CallObject(xls; "cellProtection("; 1; 5; false)

string=colRow2Ref(col:integer, row:integer)

The function transforms Col and Row format defined cell to Ref format. Returned value is in string format. For example A1, C8, D22 etc.

Parameters

Col and row are coordinates of the cell we want to transform to Ref format. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

put xls.colRow2Ref(2,7)

Example - Authorware

CallObject(xls; "colRow2Ref"; 2; 7)

void=deleteCol(col1:integer, col2:integer)

The function deletes columns in the actual sheet in the xls document.

Parameters

Col1 is a number of the column that we want to start deleting with. Col2 is a number of the column that we want to finish deleting with. Col1<=col2 is valid. If we delete the columns all the columns on the right will be shifted left.

Example - Director

global xls

xls.deleteCol(7,9)

Example - Authorware

CallObject(xls; "deleteCol"; 7; 9)

void=deleteRow(row1:integer, row2:integer)

The function deletes rows in the actual sheet in the xls document.

Parameters

Row1 is number of the row that we want to start deleting with. Row2 is number of the row that we want to finish deleting with. Row1<=row2 is valid. If we delete the rows all the rows below will be shifted up.

Example - Director

global xls

xls.deleteRow(4,7)

Example - Authorware

CallObject(xls; "deleteRow"; 4; 7)

void=errorDialog(dialog: boolean)

Using this function we can set whether a dialogue window, showing error statement appears at the moment of an error or not. This setting only functions in Autor mode and it simplifies the application debugging. If you decide not to set the dialogue window you can check the errors using the function errorMsg().

Parameters

Dialog is the only parameter of the function, whose type is boolean. If the value is true, the dialogue window with error statement is opened with every error in the XTRA. For the parameter value false the window is not shown. Default setting is dialog=false.

Example - Director

global xls

xls.errorDialog(true)

Example - Authorware

CallObject(xls; "errorDialog"; true)

void=errorLog(logFile: string, logSave: boolean)

Using this function we can set whether an error is saved to text log file at the time of the error or not. This setting only functions in Autor mode and it simplifies the application debugging.

Parameters

The function has two parametres. The parameter logFile represents name of the log file that we want to save the errors to. Type of the logSave parametre is boolean. If its value is true, every error in the XTRA is saved to log file. If its value is false nothing will be saved. Default setting is logSave=false.

Example - Director

global xls

xls.errorLog(the pathName&"log.txt", true)

Example - Authorware

CallObject(xls; errorLog; FileLocation ^ "log.txt"; true)

string=errorMsg()

The function gives text of the error that occured while working with dmmXLS. If everything went well, the function gives an empty chain

Parameters

There are no parametres in this function.

Example - Director

global xls

xls.loadFromFile(the pathName&"data.xls")

error=xls.ErrorMsg()

if error="" then val=xls.getCellString(2, 10)

Example - Authorware

error:=CallObject(xls; "errorMsg")

integer=firstCol()

The function gives number of the first column containing data used in a sheet.

Parameters

There are no parametres in this function.

Example - Director

global xls

minCol=xls.firstCol()

Example - Authorware

minCol:=CallObject(xls; "firstCol")

integer=firstRow()

The function gives number of the first row containing data used in a sheet.

Parameters

There are no parametres in this function.

Example - Director

global xls

minRow=xls.firstRow()

Example - Authorware

minRow:=CallObject(xls; "firstRow")

void=getCellAnsiString(col:integer, row:integer, codePage: integer)

The function loads the contents of the cell in the xls file, whose format is UNICODE. It is returned as a value of the ANSI string type.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. The parameter codePage represents the code page to be used to convert the UNICODE from. In the UNICODE text, only signs included in the appropriate page code can be used. If any other signs are used, they will replaced by question marks.

CodePage - Language

874 - Thai

932 - Japan

936 - Chinese (PRC, Singapore)

949 - Korean

950 - Chinese (Taiwan, Hong Kong)

1200 - Unicode (BMP of ISO 10646)

1250 - Eastern European

1251 - Cyrillic

1252 - Latin 1 (US, Western Europe)

1253 - Greek

1254 - Turkish

1255 - Hebrew

1256 - Arabic

1257 - Baltic

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellAnsiString(2, 10, 1251)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellAnsiString"; 2; 10; 1251)

boolean=getCellBoolean(col:integer, row:integer)

The function reads contents of a cell in xls format and gives it back in boolean format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellBoolean(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellBoolean"; 2; 10)

boolean=getCellBooleanFormula(col:integer, row:integer)

The function calculates the formula saved in the cell and it returns the result in the boolean format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellBooleanFormula(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellBooleanFormula"; 2; 10)

propertyList=getCellDateTime(col:integer, row:integer)

The function loads the contents of the cell in xls document, whose format is DateTime, and it returns it in Abstract Data Type format, for example [#year:2002, #month:2, #day:2, #hour:8, #minute:27, #second:42].

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellDateTime(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellDateTime"; 2; 10)

double=getCellDouble(col:integer, row:integer)

The function reads contents of a cell in xls format and gives it back in string double.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellDouble(2, 10)

Example - Authorware

CallObject(xls: "setActiveSheet": 1)

val:=CallObject(xls; "getCellDouble"; 2; 10)

double=getCellDoubleFormula(col:integer, row:integer)

The function calculates the formula saved in the cell and it returns the result in the double format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellDoubleFormula(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellDoubleFormula"; 2; 10)

string=getCellHtml(col:integer, row:integer)

The function returns the cell contents in Html format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getCellHtmll(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellHtml"; 2; 10)

string=getCellHtml(ref: string)

The function returns the cell contents in Html format.

This function is identical with the function getCellHtml, the only difference is that we enter one string parameter Ref instead of Col and Row parameters.

Parameters

Ref is a coordinate of the cell in format ColRow. Type of parametr is string, for example A1, C8, D22 etc.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getCellHtmlRef("B7")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellHtmlRef"; "B7")

integer=getCellInteger(col:integer, row:integer)

The function reads contents of a cell in xls format and gives it back in integer format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellInteger(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellInteger"; 2; 10)

integer=getCellIntegerFormula(col:integer, row:integer)

The function calculates the formula saved in the cell and it returns the result in the integer format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellIntegerFormula(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellIntegerFormula"; 2; 10)

string=getCellRtf(col:integer, row:integer)

The function returns the cell contents in Rtf format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getCellRtf(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellRtf"; 2; 10)

string=getCellRtfRef(ref: string)

The function returns the cell contents in Rtf format.

This function is identical with the function getCellRtf, the only difference is that we enter one string parameter Ref instead of Col and Row parameters.

Parameters

Ref is a coordinate of the cell in format ColRow. Type of parametr is string, for example A1, C8, D22 etc.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getCellRtfRef("B7")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellRtfRef"; "B7")

string=getCellString(col:integer, row:integer)

The function reads contents of a cell in xls format and gives it back in string format. If, for example, integer value is included in the cell, it is also converted into string format. If a formula is included in the cell, its value is given back. In Director up to the version 10, this function returns ansi coded page. In Director 11 the function return text in UTF-8.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellString(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellString"; 2; 10)

string=getCellStringFormula(col:integer, row:integer)

The function calculates the formula saved in the cell and it returns the result in the string format.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellStringFormula(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellStringFormula"; 2; 10)

string=getCellUTF8String(col:integer, row:integer)

The functions loads the contents of the cell in the xls file, whose format is UNICODE. It is returned as a value of the UTF-8 string type.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

val=xls.getCellUTF8String(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellUTF8String"; 2; 10)

variant=getCellVal(col:integer, row:integer)

The function returns contents of the cell according to the type of variable. If integer value is saved in a cell, integer value will be returned too. If double value is saved in a cell, double value will returned etc. If a Director or Authorware incompatible value is saved in a cell, string value is returned.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getCellVal(2, 10)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getCellVal"; 2; 10)

variant=getCellValRef(ref: string)

The function returns contents of the cell according to the type of variable. If integer value is saved in a cell, integer value will be returned too. If double value is saved in a cell, double value will returned etc. If a Director or Authorware incompatible value is saved in a cell, string value is returned.

This function is identical with the function getCellVal, the only difference is that we enter one string parameter Ref instead of Col and Row parameters.

Parameters

Ref is a coordinate of the cell in format ColRow. Type of parametr is string, for example A1, C8, D22 etc.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getCellValRef("B7")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1) val:=CallObject(xls; "getCellValRef"; "B7")

string=getSheetName()

The function returns name of the actual sheet, set by the function setActiveSheet.

Parameters

There are no parametres in this function.

Example - Director

global xls

xls.setActiveSheet(1)

put xls.getSheetName()

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

val:=CallObject(xls; "getSheetName")

void=insertCol(col:integer, colCount:integer)

The function adds empty columns to the actual sheet in the xls document.

Parameters

Col is a number of the column front which we want to add new columns. ColCount is a number of new columns that we want to add.

Example - Director

global xls

xls.insertCol(2,10)

Example - Authorware

CallObject(xls; "insertCol"; 2; 10)

void=insertRow(row:integer, rowCount:integer)

The function adds rows to the actual sheet in the xls document.

Parameters

Row is a number of the row above which we want to add new rows. RowCount is a number of new rows that we want to add.

Example - Director

global xls

xls.insertRow(27,5)

Example - Authorware

CallObject(xls; "insertRow"; 27; 5)

boolean=isNoError()

The function gives back true, if no error occured during an operation. If an error occurs the function gives back false.

Parameters

There are no parametres in this function.

Example - Director

global xls

xls.loadFromFile(the pathName&"data.xls")

if xls.isNoError() then val=xls.getCellString(2, 10)

Example - Authorware error:=CallObject(xls; "isNoError")

integer=lastCol()

The function gives number of the last column containing data used in a sheet.

Parameters

There are no parametres in this function.

Example - Director

global xls

maxCol=xls.lastCol()

Example - Authorware

maxCol:=CallObject(xls; "lastCol")

integer=lastRow()

The function gives number of the last row containing data used in a sheet.

Parameters

There are no parametres in this function.

Example - Director

global xls

maxRow=xls.lastRow()

Example - Authorware

maxRow:=CallObject(xls; "lastRow")

boolean=loadFromFile(file:string, password: string)

This function reads an xls file for next use. We cannot read the contents of cells, unless it si read using the function loadFromFile.

If xls or xlsx were read correctly the function returns true. If an error occurred, false is returned.

Parameters

Type of file is string and we insert name of an xls or xlsx file including the path. Type of password is string. We enter password in case we run an xls or xlsx file protected by a password.

Example - Director

global xls

if xls.loadFromFile(the pathName&"data.xls", "") =false then file is not protected by a password alert("error")

end if

if xls.loadFromFile(the pathName&"data2.xls", "abc") =false then alert("error")

end if

Example - Authorware

CallObject(xls; "loadFromFile"; FileLocation ^ "data.xls"; "") file is not protected by a password CallObject(xls; "loadFromFile"; FileLocation ^ "data2.xls"; "abc")

boolean=loadFromHttp(url:string)

This function enables to download xls files from the internet using the method get and protocol http. In the case the file has been successfully downloaded the function gives true, otherwise in gives false. To have this function activated in the XTRA you need to have the additive library dmmHttp in the directory where dmmXLS is placed.

Parameters

The function has one parameter being url, whose type is string and it represents Url of the downloaded document.

Example - Director

global xls

xls.loadFromHttp("http://xtra.web-cd.net/data.xls")

Example - Authorware

CallObject(xls; "loadFromHttp"; "http://xtra.web-cd.net/data.xls")

boolean=loadFromZip(zipFile, zipPassword, xlsFile:string)

This function loads xls documents saved in a zip archive. The work procedure is easy. We prepare xls files and compress them to a zip. We can protect this zip with a password. The function loadFromZip enables to read separate files of the archive and to show them in Director or Authorware using XTRA dmmXLS. To have this function activated in the XTRA you need to have the additive library dmmZip in the directory where dmmXLS is placed. In the case the file has been successfully loaded the function gives true, otherwise it gives false.

Parameters

There are 3 parametres in this function. ZipFile is a zip archive, in which we keep the documents. ZipPassword is a password for the zip archive. If there is no password, we insert an empty chain. XIsFile is a name xIs file in a zip document. We have to insert the name including the extension.

Example - Director

alobal xls

xls.loadFromZip(the pathName & "demo.zip", "abc", "data.xls")

Example - Authorware

CallObject(xls; "loadFromZip"; FileLocation ^ "demo.zip"; "abc"; "data.xls")

list=ref2ColRow(ref: string)

The function transforms Ref format defined cell to Col and Row format. Returned value is in Abstract Data Types format.

For example: [#Col:10,#Row:18]

Parameters

Ref is a coordinate of the cell in format ColRow. Type of parametr is string, for example A1, C8, D22 etc.

Example - Director

global xls

put xls.ref2ColRow("A22")

put xls.ref2ColRow("B22").col

put xls.ref2ColRow("B22").row

Example - Authorware

val:=CallObject(xls; "ref2ColRow"; "A22")

void=saveToFile(file:string, password: string)

The function saves an xls file on the disc.

Parameters

Type of file is string and we insert name of the xls, including the path. Type of password is string. We enter password in case we save an xls or xlsx file protected by a password.

Example - Director

global xls

xls.saveToFile(the pathName&"data.xls", "") file is not protected by a password

xls.saveToFile(the pathName&"data.xls", "abc")

Example - Authorware

CallObject(xls; "saveToFile"; FileLocation ^ "data.xls"; "") file is not protected by a password

CallObject(xls; "saveToFile"; FileLocation ^ "data.xls"; "abc")

void=setActiveSheet(sheet:integer)

The function sets the actual sheet in xls, which we want to work with.

Parameters

Sheet is number of the sheet in xls, which we want to work with. The parameter can reach the values 1 and higher, depending on how many sheets we define in xls.

Example - Director

global xls

xls.setActiveSheet(2)

Example - Authorware

CallObject(xls; "setActiveSheet"; 2)

void=setCellBoolean(col:integer, row:integer, val: boolean)

The function saves the content in the boolean format to a cell in xls document.

Parameters

Col and row are coordinates of the cell, that we want to save the string value to. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. Type of val is boolean and insert a value, that we save to a cell.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellBoolean(2, 10, false)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellBoolean"; 2; 10; false)

void=setCellDateTime(col:integer, row:integer, val:propertyList)

The function saves DateTime value to a cell of xls document. The DateTime value is in Abstract Data Type format, for example [#year:2002, #month:2, #day:2, #hour:8, #minute:27, #second:42].

Parameters

Col and row are coordinates of the cell, that we want to save the DateTime value to. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. Type of val is propertyList and we insert it in the Abstract Data Type format.

Example - Director

global xls

xls.setActiveSheet(1)

val=[#year:2002, #month:2, #day:2, #hour:8, #minute:27, #second:42]

xls.setCellDateTime(2, 10, val)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellDateTime"; 2; 10; val)

void=setCellDouble(col:integer, row:integer, val: double)

The function saves the content in the double format to a cell in xls document.

Parameters

Col and row are coordinates of the cell, that we want to save the string value to. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. Type of val is double and insert a value, that we save to a cell.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellDouble(2, 10, 27.102)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellDouble"; 2; 10; 27.102)

void=setCellFontColor(col:integer, row:integer, fontColor: string)

The function sets colour of the text for the chosen cell.

Parameters

Col and row are coordinates of the cell, where we want set text colour. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. FontColor is defined in hexadecimal shape #RRGGBB. Example: #F0FF00.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellFontColor(2, 10, "#FF0000")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellFontColor"; 2; 10; "#FF0000")

void=setCellFontName(col:integer, row:integer, fontName: string)

The function sets font for the chosen cell.

Parameters

Col and row are coordinates of the cell, where we want set font name. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. FontName is name of font we want to set for the chosen cell.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellFontName(2, 10, "Tahoma")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellFontName"; 2; 10; "Tahoma")

void=setCellFontSize(col:integer, row:integer, fontSize: integer)

The function sets size of font for the chosen cell.

Parameters

Col and row are coordinates of the cell, where we want set font size. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. FontSize is size of font we want to set for the chosen cell. FontSize is defined in pixel.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellFontSize(2, 10, 17)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellFontSize"; 2; 10; 17)

void=setCellFontStyle(col:integer, row:integer, style: List)

The function sets a text style for a cell.

Parameters

Col and row are cell coordinates of the cell for which we set style. The type of style is Abstract Data Types format. In style we can insert the variables in the shape of the symbols that can have the following values #bold, #italic, #underline and #strikeout.

For example, setCellFontStyle(1, 1, [#bold, #italic]) sets bold and italic styles for a cell having coordinates[1,1], italic. setCellFontStyle(1, 1, [#bold]) only sets bold etc

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellVAlign(2, 10, setCellFontStyle, [#bold, #italic])

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellFontStyle"; 2; 10; [#bold; #italic])

void=setCellFormula(col:integer, row:integer, formuleStr: string)

The function saves the calculation formula in xls document.

Parameters

Col and row are coordinates of the cell, whose contents we want to read. Col is a column coordinate and row is a row coordinate. The values range from firstCol and lastCol, or firstRow and lastRow. FormuleStr is of the string type and we insert here our own calculation formula that we want to be saved in a cell of the xls document.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellFormula(2, 10,, "SUM(C1:C4)")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellFormula"; 2; 10; , "SUM(C1:C4)")

void=setCellHAlign(col:integer, row:integer, hAlign: symbol)

The function sets text alignment in cell in the horizontal shape.

Parameters

Col and row are coordinates of a cell for which we want to set horizontal alignment. Type of the parameter hAlign is symbol and it can reach the following values: #left, #center, and #right.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellHAlign(2, 10, #center)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellHAlign"; 2; 10; #center)

void=setCellInteger(col:integer, row:integer, val: integer)

The function saves the content in the integer format to a cell in xls document.

Parameters

Col and row are coordinates of the cell, that we want to save the string value to. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. Type of val is integer and insert a value, that we save to a cell.

Example - Director
global xls
xls.setActiveSheet(1)
xls.setCellInteger(2, 10, 27)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)
CallObject(xls; "setCellInteger"; 2; 10; 27)

void=setCellRotation(col:integer, row:integer, angle: integer)

The function rotates a text in cell by a certain angle.

Parameters

Col and row are coordinates of a cell in which we want to rotate text. Angle is the angle, defined in degrees, by which we want to rotate the text in the cell.

Example - Director global xls xls.setActiveSheet(1) xls.setCellRotation(2, 10, 45)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)
CallObject(xls; "setCellRotation"; 2; 10; 45)

void=setCellString(col:integer, row:integer, val: string)

The function saves the content in the string format to a cell in xls document.

Parameters

Col and row are coordinates of the cell, that we want to save the string value to. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. Type of val is string and insert a text chain, that we save to a cell.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellString(2, 10, "XTRA")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellString"; 2; 10; "XTRA")

void=setCellUTF8String(col:integer, row:integer, val: string)

The function saves a value of the UTF-8 string. type to the the cell in the xls document. When saving in Excel, the values are automatically reconverted to the UNICODE format.

Parameters

Col and row are coordinates of the cell, that we want to save the string value to. Col is a coordinate of column and row is a coordinate of row. The values range from firstCol to lastCol, respectively from firstRow to lastRow. Type of val is unicode string and insert a text chain, that we save to a cell.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellUTF8String(2, 10, "XTRA")

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellUTF8String"; 2; 10; "XTRA")

void=setCellVAlign(col:integer, row:integer, vAlign: symbol)

The function sets text alignment in cell in the vertical shape.

Parameters

Col and row are coordinates of a cell for which we want to set vertical alignment. Type of the parameter vAlign is symbol and it can reach the following values: #top, #middle, and #bottom.

Example - Director

global xls

xls.setActiveSheet(1)

xls.setCellVAlign(2, 10, #middle)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1)

CallObject(xls; "setCellVAlign"; 2; 10; #middle)

void=sheetProtection(protect: boolean)

The function locks the sheet.

Parameters

Protect is a logical variable defining whether the sheet is locked or open. For protect=true the sheet is locked, for protect=false it is open.

Example - Director

xls.setActiveSheet(1)

xls.sheetProtection(false)

Example - Authorware

CallObject(xls; "setActiveSheet"; 1) CallObject(xls; "sheetProtection"; false)

list=xtraVersion()

The function returns information about the XTRA dmmXLS. The function returns values in the format Abstract Data

Types:

[#fileType: "Xtra (32)",

#CompanyName: "Studio dmm", #FileDescription: "dmmXLS.x32",

#FileVersion: "1.8.0.17"

#InternalName: "dmmXLS.x32".

#LegalCopyRight: "© Studio dmm 1992-2005",

#LegalTradeMarks: "".

#OriginalFileName: "dmmXLS.x32", #productName: "dmmXLS.x32",

#productVersion: "1.8.0.0"]

The meaning of the items is clear and it is not necessary to describe it closer.

Parameters

There are no parametres in this function.

Example - Director

global xls

xv=xls.xtraVersion()

put "FileDescription:" && xv.FileDescription

put "FileVersion:" && xv.FileVersion

Example - Authorware
xv:=CallObject(xls; "xtraVersion")
Trace("FileDescription: " ^ xv[#FileDescription])
Trace("FileVersion: " ^ xv[#FileVersion])

dataHttp progress

This event (callback function) is invoked at the moment when the user starts to download the xls file from the http. It monitores the downloading of the xls file. The parameter progress represents how many percents have already been downloaded. The values ranges from 0 to 100.

Example - Director on dataHttp progress put progress end

xtraError err

This event is invoked in case an error occurred during work with the XTRA. The error is returned in the parameter err.

Example - Director
on xtraError err
put err
end