

AutoCAD

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Option Explicit

Sub abc()

Dim sset As AcadSelectionSet ' or - Dim SSet As Object ' for late binding

Dim FilterType(0) As Integer

Dim FilterData(0) As Variant

Dim Groupcode As Variant

Dim DataValue As Variant

FilterType(0) = 67

FilterData(0) = 0 ' ModelSpace

Groupcode = FilterType

DataValue = FilterData

On Error Resume Next

ActiveDocument.SelectionSets.Item("TEST_SSET").Delete

Set sset = ActiveDocument.SelectionSets.Add("TEST_SSET")**On Error GoTo** 0

sset.Select acSelectionSetAll, , , Groupcode, DataValue

End Sub**Private Sub** AcadDocument_Activate()

line = False

End Sub**Private Sub** AcadDocument_BeginCommand(ByVal CommandName As String)

line = (CommandName = "LINE")

End Sub**Private Sub** AcadDocument_BeginRightClick(ByVal PickPoint As Variant)**If** ThisDrawing.GetVariable("cmdactive") > 0 **And** line **Then**

ThisDrawing.Application.Preferences.User.ShortCutMenuDisplay = False

Else

ThisDrawing.SetVariable "ShortcutMenu" , 10

End If**End Sub****Sub** angleFromXAxis()

Dim angRad As Double

Dim angDeg As Double

Dim p1(0 To 2) As Double

Dim p2(0 To 2) As Double

p1(0) = 0: p1(1) = 0: p1(2) = 0

p2(0) = 0.9828: p2(1) = 0.1849: p2(2) = 0

angRad = ThisDrawing.Utility.angleFromXAxis(p1, p2)

angDeg = (180 * angRad) / 3.14159265358979

'andRad = (3.14159265358979 * andDeg)/180

MsgBox angDeg

End Sub

```
51
52 Sub Ch3_NewDrawing()
53     Dim docObj As AcadDocument
54     Set docObj = ThisDrawing.Application.Documents.Add
55 End Sub
56
57 Sub Ch3_OpenDrawing()
58     Dim dwgName As String
59     dwgName = "c:\campus.dwg"
60     If Dir(dwgName) <> "" Then
61         ThisDrawing.Application.Documents.Open dwgName
62     Else
63         MsgBox "File " & dwgName & " does not exist."
64     End If
65 End Sub
66
67 Public Sub chgXRefLayerColor()
68     Dim tLayer As AcadLayer
69     For Each tLayer In ThisDrawing.Layers
70         If InStr(tLayer.Name, "|") > 0 Then
71             tLayer.Color = acBlue
72         End If
73     Next
74 End Sub
75
76 Sub closeCurrentDrawing()
77     ThisDrawing.Close
78 End Sub
79
80 Public Sub Drawline()
81     Dim lineobj As AcadLine
82     Dim startPoint(0 To 2) As Double
83     Dim endPoint(0 To 2) As Double
84
85     'Define startpoint the line point
86     startPoint(0) = 0: startPoint(1) = 0: startPoint(2) = 0
87     'Define endpoint the line point
88     endPoint(0) = 10: endPoint(1) = 10: endPoint(2) = 0
89
90     'Create a line in model space
91     Set lineobj = ThisDrawing.ModelSpace.AddLine(startPoint, endPoint)
92     ThisDrawing.SaveAs Drawline.dwg
93 End Sub
```

```
92 Sub drawToUCS()  
93   Dim XYZ(0 To 2) As Double  
94   Dim TestBlock As AcadBlockReference  
95   Dim ucsObj As AcadUCS  
96   Dim TransMatrix As Variant  
97  
98   Set ucsObj = ThisDrawing.UserCoordinateSystems.Item("MYUCS" )  
99  
100   XYZ(0) = 0  
101   XYZ(1) = 0  
102   XYZ(2) = 0  
103  
104   Set TestBlock = ThisDrawing.ModelSpace.InsertBlock(XYZ, "MYBLOCK" , 1, 1, 1,  
105     0)  
106   TransMatrix = ucsObj.GetUCSMatrix()  
107  
108   TestBlock.TransformBy (TransMatrix)  
109   TestBlock.Update  
110  
111 End Sub
```

```
112  
113 Sub Example_Move()  
114   ' This example creates a circle and then performs  
115   ' a move on that circle.  
116  
117   ' Create the circle  
118   Dim circleObj As AcadCircle  
119   Dim center(0 To 2) As Double  
120   Dim radius As Double  
121   center(0) = 2#: center(1) = 2#: center(2) = 0#  
122   radius = 0.5  
123   Set circleObj = ThisDrawing.ModelSpace.AddCircle(center, radius)  
124   ZoomAll  
125  
126   ' Define the points that make up the move vector  
127   Dim point1(0 To 2) As Double  
128   Dim point2(0 To 2) As Double  
129   point1(0) = 0: point1(1) = 0: point1(2) = 0  
130   point2(0) = 2: point2(1) = 0: point2(2) = 0  
131  
132   MsgBox "Move the circle 2 units in the X direction." , , "Move Example"  
133  
134   ' Move the circle  
135   circleObj.Move point1, point2  
136  
137   ZoomAll  
138   MsgBox "Move completed." , , "Move Example"  
139  
140 End Sub
```

```
141 Sub Example_Open()  
142 ' The following example opens "C:\AutoCAD\Sample\city map.dwg" file.  
143 ' This drawing may not exist on your system. Change the drawing  
144 ' path and name to reflect a valid AutoCAD drawing on your system.  
145  
146 ThisDrawing.Application.Documents.Open ("C:\AutoCAD\Sample\city map.dwg" )  
147  
148 End Sub
```

```
149  
150 Sub Example_Rotate()  
151 ' This example creates a lightweight polyline  
152 ' and then rotates that polyline.  
153  
154 ' Create the polyline  
155 Dim plineObj As AcadLWPolyline  
156 Dim points(0 To 11) As Double  
157 points(0) = 1: points(1) = 2  
158 points(2) = 1: points(3) = 3  
159 points(4) = 2: points(5) = 3  
160 points(6) = 3: points(7) = 3  
161 points(8) = 4: points(9) = 4  
162 points(10) = 4: points(11) = 2  
163 Set plineObj = ThisDrawing.ModelSpace.AddLightWeightPolyline(points)  
164 plineObj.Closed = True  
165 ZoomAll  
166  
167 MsgBox "Rotate the polyline by 45 degrees." , , "Rotate Example"  
168  
169 ' Define the rotation  
170 Dim basePoint(0 To 2) As Double  
171 Dim rotationAngle As Double  
172 basePoint(0) = 4: basePoint(1) = 4.25: basePoint(2) = 0  
173 rotationAngle = 0.7853981 ' 45 degrees  
174  
175 ' Rotate the polyline  
176 plineObj.Rotate basePoint, rotationAngle  
177  
178 ZoomAll  
179 MsgBox "Rotation completed." , , "Rotate Example"  
180  
181 End Sub
```

```
182 Sub Example_Save()  
183 ' The following example saves current drawing  
184  
185 ThisDrawing.Save  
186  
187 End Sub
```

```
188 Sub Example_SaveAs()  
189 ' The following example saves current drawing as "test.dwg"  
190  
191 ThisDrawing.SaveAs ("test.dwg" )  
192  
193 End Sub  
194  
195 Sub Example_SendCommand()  
196 ' This example sends a command for evaluation to the AutoCAD command line  
197 ' of a particular drawing  
198  
199 ' Create a Circle in the active drawing and  
200 ' zoom to display the entire circle  
201 ThisDrawing.SendCommand "_Circle" & vbCr & "2,2,0" & vbCr & "4" & vbCr  
202 ThisDrawing.SendCommand "_zoom" & vbCr & "a" & vbCr  
203  
204 ' Refresh view  
205 ThisDrawing.Regen acAllViewports  
206  
207 MsgBox "A circle command has been sent to the command line of the current  
drawing."  
208 End Sub
```



```

209
210 Sub ExtractAtts()
211     Dim Excel As Excel.Application
212     Dim ExcelSheet As Object
213     Dim ExcelWorkbook As Object
214
215     Dim RowNum As Integer
216     Dim Header As Boolean
217     Dim elem As AcadEntity
218     Dim Array1 As Variant
219     Dim Count As Integer
220
221     ' Launch Excel.
222     Set Excel = New Excel.Application
223
224     ' Create a new workbook and find the active sheet.
225     Set ExcelWorkbook = Excel.Workbooks.Add
226     Set ExcelSheet = Excel.ActiveSheet
227     ExcelWorkbook.SaveAs "Attribute.xls"
228
229     RowNum = 1
230     Header = False
231
232     ' Iterate through model space finding
233     ' all block references.
234     For Each elem In ThisDrawing.ModelSpace
235         With elem
236             ' When a block reference has been found,
237             ' check it for attributes
238             If StrComp(EntityName, "AcDbBlockReference", 1) = 0 Then
239                 If .HasAttributes Then
240                     ' Get the attributes
241                     Array1 = .GetAttributes
242
243                     ' Copy the Tagstrings for the
244                     ' Attributes into Excel
245                     For Count = LBound(Array1) To UBound(Array1)
246                         If Header = False Then
247                             If StrComp(Array1(Count).EntityName, "AcDbAttribute", 1) =
248                                 0 Then
249                                 ExcelSheet.Cells(RowNum, Count + 1).Value = Array1(Count)
250                                 .TagString
251                             End If
252                         End If
253                     Next Count
254
255                     RowNum = RowNum + 1
256                     For Count = LBound(Array1) To UBound(Array1)
257                         ExcelSheet.Cells(RowNum, Count + 1).Value = Array1(Count).
258                         textString

```

1 2 3 4 5 6


```

256 1 2 3 4 5 6 Next Count
257
258 Header = True
259 End If
260 End If
261 End With
262 Next elem
263 Excel.Application.Quit
264 End Sub

```

```

266 Function getActiveUcs() As AcadUCS
267 ' get the active UCS
268 ' if the UCS is not saved, save it
269
270 Dim origin
271 Dim xaxis
272 Dim yaxis
273 Dim Zero(0 To 2) As Double
274 Zero(0) = 0: Zero(1) = 0: Zero(2) = 0
275 Dim currentUCS As String
276 currentUCSName = ThisDrawing.GetVariable("UCSNAME" )
277
278 If currentUCSName = "" Then
279 ' Current UCS is not saved so get the data and save it
280 ' A ucs is saved when a user makes and saves one or
281 ' a user clicks on an isoview button
282
283 If ThisDrawing.GetVariable("WORLDUCS" ) = 1 Then
284 ' active UCS is identical to WCS
285 xaxis = Zero: yaxis = Zero
286 xaxis(0) = 1: yaxis(1) = 1
287 Set getActiveUcs = ThisDrawing.UserCoordinateSystems.Add(Zero, xaxis,
yaxis, "World" )
288 Else
289 origin = ThisDrawing.GetVariable("UCSORG" )
290 xaxis = ThisDrawing.GetVariable("UCSXDIR" )
291 yaxis = ThisDrawing.GetVariable("UCSYDIR" )
292
293 Set getActiveUcs = ThisDrawing.UserCoordinateSystems.Add(Zero, xaxis,
yaxis, "Active" )
294 'Changing the origin later stops the error message
295 '-2145320930 UCS X axis and Y axis are not perpendicular
296 getActiveUcs.origin = origin
297 ThisDrawing.ActiveUCS = getActiveUcs
298 End If
299 Else
300 Set getActiveUcs = ThisDrawing.UserCoordinateSystems.Item(currentUCSName)
301 End If
302

```

1

```
303 1 End Function
304 Function getDrawingList(Folder As String) As Collection
305     Dim fs, f, f1, fc
306     Dim mycoll As New Collection
307
308     Set fs = CreateObject("Scripting.FileSystemObject" )
309     Set f = fs.GetFolder(Folder)
310     Set fc = f.Files
311
312     For Each f1 In fc
313         If UCase(Right(f1.Name, 4)) = UCase(".dwg" ) Then
314             mycoll.Add f1.Path
315         End If
316     Next
317
318     Set getDrawingList = mycoll
319 End Function
```

```
320
321 Private Function lookUpRGB(ByVal ACI As Integer) As Integer()
322     Dim ACItoRGB(0 To 255, 0 To 2) As Integer
323     ACItoRGB(0, 0) = 0: ACItoRGB(0, 1) = 0: ACItoRGB(0, 2) = 0
324     ACItoRGB(1, 0) = 255: ACItoRGB(1, 1) = 0: ACItoRGB(1, 2) = 0
325     ACItoRGB(2, 0) = 255: ACItoRGB(2, 1) = 255: ACItoRGB(2, 2) = 0
326     ACItoRGB(3, 0) = 0: ACItoRGB(3, 1) = 255: ACItoRGB(3, 2) = 0
327     ACItoRGB(4, 0) = 0: ACItoRGB(4, 1) = 255: ACItoRGB(4, 2) = 255
328     ACItoRGB(5, 0) = 0: ACItoRGB(5, 1) = 0: ACItoRGB(5, 2) = 255
329     ACItoRGB(6, 0) = 255: ACItoRGB(6, 1) = 0: ACItoRGB(6, 2) = 255
330     ACItoRGB(7, 0) = 255: ACItoRGB(7, 1) = 255: ACItoRGB(7, 2) = 255
331     ACItoRGB(8, 0) = 128: ACItoRGB(8, 1) = 128: ACItoRGB(8, 2) = 128
332     ACItoRGB(9, 0) = 192: ACItoRGB(9, 1) = 192: ACItoRGB(9, 2) = 192
333     ACItoRGB(10, 0) = 255: ACItoRGB(10, 1) = 1: ACItoRGB(10, 2) = 1
334     ACItoRGB(11, 0) = 255: ACItoRGB(11, 1) = 127: ACItoRGB(11, 2) = 127
335     ACItoRGB(12, 0) = 165: ACItoRGB(12, 1) = 0: ACItoRGB(12, 2) = 0
336     ACItoRGB(13, 0) = 165: ACItoRGB(13, 1) = 82: ACItoRGB(13, 2) = 82
337     ACItoRGB(14, 0) = 127: ACItoRGB(14, 1) = 0: ACItoRGB(14, 2) = 0
338     ACItoRGB(15, 0) = 127: ACItoRGB(15, 1) = 63: ACItoRGB(15, 2) = 63
339     ACItoRGB(16, 0) = 76: ACItoRGB(16, 1) = 0: ACItoRGB(16, 2) = 0
340     ACItoRGB(17, 0) = 76: ACItoRGB(17, 1) = 38: ACItoRGB(17, 2) = 38
341     ACItoRGB(18, 0) = 38: ACItoRGB(18, 1) = 0: ACItoRGB(18, 2) = 0
342     ACItoRGB(19, 0) = 38: ACItoRGB(19, 1) = 19: ACItoRGB(19, 2) = 19
343     ACItoRGB(20, 0) = 255: ACItoRGB(20, 1) = 63: ACItoRGB(20, 2) = 0
344     ACItoRGB(21, 0) = 255: ACItoRGB(21, 1) = 159: ACItoRGB(21, 2) = 127
345     ACItoRGB(22, 0) = 165: ACItoRGB(22, 1) = 41: ACItoRGB(22, 2) = 0
346     ACItoRGB(23, 0) = 165: ACItoRGB(23, 1) = 103: ACItoRGB(23, 2) = 82
347     ACItoRGB(24, 0) = 127: ACItoRGB(24, 1) = 31: ACItoRGB(24, 2) = 0
348     ACItoRGB(25, 0) = 127: ACItoRGB(25, 1) = 79: ACItoRGB(25, 2) = 63
349     ACItoRGB(26, 0) = 76: ACItoRGB(26, 1) = 19: ACItoRGB(26, 2) = 0
350     ACItoRGB(27, 0) = 76: ACItoRGB(27, 1) = 47: ACItoRGB(27, 2) = 38
351     ACItoRGB(28, 0) = 38: ACItoRGB(28, 1) = 9: ACItoRGB(28, 2) = 0
352     ACItoRGB(29, 0) = 38: ACItoRGB(29, 1) = 23: ACItoRGB(29, 2) = 19
353     ACItoRGB(30, 0) = 255: ACItoRGB(30, 1) = 127: ACItoRGB(30, 2) = 0
354     ACItoRGB(31, 0) = 255: ACItoRGB(31, 1) = 191: ACItoRGB(31, 2) = 127
355     ACItoRGB(32, 0) = 165: ACItoRGB(32, 1) = 82: ACItoRGB(32, 2) = 0
356     ACItoRGB(33, 0) = 165: ACItoRGB(33, 1) = 124: ACItoRGB(33, 2) = 82
357     ACItoRGB(34, 0) = 127: ACItoRGB(34, 1) = 63: ACItoRGB(34, 2) = 0
358     ACItoRGB(35, 0) = 127: ACItoRGB(35, 1) = 95: ACItoRGB(35, 2) = 63
359     ACItoRGB(36, 0) = 76: ACItoRGB(36, 1) = 38: ACItoRGB(36, 2) = 0
360     ACItoRGB(37, 0) = 76: ACItoRGB(37, 1) = 57: ACItoRGB(37, 2) = 38
361     ACItoRGB(38, 0) = 38: ACItoRGB(38, 1) = 19: ACItoRGB(38, 2) = 0
362     ACItoRGB(39, 0) = 38: ACItoRGB(39, 1) = 28: ACItoRGB(39, 2) = 19
363     ACItoRGB(40, 0) = 255: ACItoRGB(40, 1) = 191: ACItoRGB(40, 2) = 0
364     ACItoRGB(41, 0) = 255: ACItoRGB(41, 1) = 223: ACItoRGB(41, 2) = 127
365     ACItoRGB(42, 0) = 165: ACItoRGB(42, 1) = 124: ACItoRGB(42, 2) = 0
366     ACItoRGB(43, 0) = 165: ACItoRGB(43, 1) = 145: ACItoRGB(43, 2) = 82
367     ACItoRGB(44, 0) = 127: ACItoRGB(44, 1) = 95: ACItoRGB(44, 2) = 0
368     ACItoRGB(45, 0) = 127: ACItoRGB(45, 1) = 111: ACItoRGB(45, 2) = 63
369     ACItoRGB(46, 0) = 76: ACItoRGB(46, 1) = 57: ACItoRGB(46, 2) = 0
```

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370 ACItoRGB(47, 0) = 76: ACItoRGB(47, 1) = 66: ACItoRGB(47, 2) = 38
371 ACItoRGB(48, 0) = 38: ACItoRGB(48, 1) = 28: ACItoRGB(48, 2) = 0
372 ACItoRGB(49, 0) = 38: ACItoRGB(49, 1) = 33: ACItoRGB(49, 2) = 19
373 ACItoRGB(50, 0) = 255: ACItoRGB(50, 1) = 255: ACItoRGB(50, 2) = 1
374 ACItoRGB(51, 0) = 255: ACItoRGB(51, 1) = 255: ACItoRGB(51, 2) = 127
375 ACItoRGB(52, 0) = 165: ACItoRGB(52, 1) = 165: ACItoRGB(52, 2) = 0
376 ACItoRGB(53, 0) = 165: ACItoRGB(53, 1) = 165: ACItoRGB(53, 2) = 82
377 ACItoRGB(54, 0) = 127: ACItoRGB(54, 1) = 127: ACItoRGB(54, 2) = 0
378 ACItoRGB(55, 0) = 127: ACItoRGB(55, 1) = 127: ACItoRGB(55, 2) = 63
379 ACItoRGB(56, 0) = 76: ACItoRGB(56, 1) = 76: ACItoRGB(56, 2) = 0
380 ACItoRGB(57, 0) = 76: ACItoRGB(57, 1) = 76: ACItoRGB(57, 2) = 38
381 ACItoRGB(58, 0) = 38: ACItoRGB(58, 1) = 38: ACItoRGB(58, 2) = 0
382 ACItoRGB(59, 0) = 38: ACItoRGB(59, 1) = 38: ACItoRGB(59, 2) = 19
383 ACItoRGB(60, 0) = 191: ACItoRGB(60, 1) = 255: ACItoRGB(60, 2) = 0
384 ACItoRGB(61, 0) = 223: ACItoRGB(61, 1) = 255: ACItoRGB(61, 2) = 127
385 ACItoRGB(62, 0) = 124: ACItoRGB(62, 1) = 165: ACItoRGB(62, 2) = 0
386 ACItoRGB(63, 0) = 145: ACItoRGB(63, 1) = 165: ACItoRGB(63, 2) = 82
387 ACItoRGB(64, 0) = 95: ACItoRGB(64, 1) = 127: ACItoRGB(64, 2) = 0
388 ACItoRGB(65, 0) = 111: ACItoRGB(65, 1) = 127: ACItoRGB(65, 2) = 63
389 ACItoRGB(66, 0) = 57: ACItoRGB(66, 1) = 76: ACItoRGB(66, 2) = 0
390 ACItoRGB(67, 0) = 66: ACItoRGB(67, 1) = 76: ACItoRGB(67, 2) = 38
391 ACItoRGB(68, 0) = 28: ACItoRGB(68, 1) = 38: ACItoRGB(68, 2) = 0
392 ACItoRGB(69, 0) = 33: ACItoRGB(69, 1) = 38: ACItoRGB(69, 2) = 19
393 ACItoRGB(70, 0) = 127: ACItoRGB(70, 1) = 255: ACItoRGB(70, 2) = 0
394 ACItoRGB(71, 0) = 191: ACItoRGB(71, 1) = 255: ACItoRGB(71, 2) = 127
395 ACItoRGB(72, 0) = 82: ACItoRGB(72, 1) = 165: ACItoRGB(72, 2) = 0
396 ACItoRGB(73, 0) = 124: ACItoRGB(73, 1) = 165: ACItoRGB(73, 2) = 82
397 ACItoRGB(74, 0) = 63: ACItoRGB(74, 1) = 127: ACItoRGB(74, 2) = 0
398 ACItoRGB(75, 0) = 95: ACItoRGB(75, 1) = 127: ACItoRGB(75, 2) = 63
399 ACItoRGB(76, 0) = 38: ACItoRGB(76, 1) = 76: ACItoRGB(76, 2) = 0
400 ACItoRGB(77, 0) = 57: ACItoRGB(77, 1) = 76: ACItoRGB(77, 2) = 38
401 ACItoRGB(78, 0) = 19: ACItoRGB(78, 1) = 38: ACItoRGB(78, 2) = 0
402 ACItoRGB(79, 0) = 28: ACItoRGB(79, 1) = 38: ACItoRGB(79, 2) = 19
403 ACItoRGB(80, 0) = 63: ACItoRGB(80, 1) = 255: ACItoRGB(80, 2) = 0
404 ACItoRGB(81, 0) = 159: ACItoRGB(81, 1) = 255: ACItoRGB(81, 2) = 127
405 ACItoRGB(82, 0) = 41: ACItoRGB(82, 1) = 165: ACItoRGB(82, 2) = 0
406 ACItoRGB(83, 0) = 103: ACItoRGB(83, 1) = 165: ACItoRGB(83, 2) = 82
407 ACItoRGB(84, 0) = 31: ACItoRGB(84, 1) = 127: ACItoRGB(84, 2) = 0
408 ACItoRGB(85, 0) = 79: ACItoRGB(85, 1) = 127: ACItoRGB(85, 2) = 63
409 ACItoRGB(86, 0) = 19: ACItoRGB(86, 1) = 76: ACItoRGB(86, 2) = 0
410 ACItoRGB(87, 0) = 47: ACItoRGB(87, 1) = 76: ACItoRGB(87, 2) = 38
411 ACItoRGB(88, 0) = 9: ACItoRGB(88, 1) = 38: ACItoRGB(88, 2) = 0
412 ACItoRGB(89, 0) = 23: ACItoRGB(89, 1) = 38: ACItoRGB(89, 2) = 19
413 ACItoRGB(90, 0) = 1: ACItoRGB(90, 1) = 255: ACItoRGB(90, 2) = 1
414 ACItoRGB(91, 0) = 127: ACItoRGB(91, 1) = 255: ACItoRGB(91, 2) = 127
415 ACItoRGB(92, 0) = 0: ACItoRGB(92, 1) = 165: ACItoRGB(92, 2) = 0
416 ACItoRGB(93, 0) = 82: ACItoRGB(93, 1) = 165: ACItoRGB(93, 2) = 82
417 ACItoRGB(94, 0) = 0: ACItoRGB(94, 1) = 127: ACItoRGB(94, 2) = 0
418 ACItoRGB(95, 0) = 63: ACItoRGB(95, 1) = 127: ACItoRGB(95, 2) = 63
419 ACItoRGB(96, 0) = 0: ACItoRGB(96, 1) = 76: ACItoRGB(96, 2) = 0

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420 ACItoRGB(97, 0) = 38: ACItoRGB(97, 1) = 76: ACItoRGB(97, 2) = 38
421 ACItoRGB(98, 0) = 0: ACItoRGB(98, 1) = 38: ACItoRGB(98, 2) = 0
422 ACItoRGB(99, 0) = 19: ACItoRGB(99, 1) = 38: ACItoRGB(99, 2) = 19
423 ACItoRGB(100, 0) = 0: ACItoRGB(100, 1) = 255: ACItoRGB(100, 2) = 63
424 ACItoRGB(101, 0) = 127: ACItoRGB(101, 1) = 255: ACItoRGB(101, 2) = 159
425 ACItoRGB(102, 0) = 0: ACItoRGB(102, 1) = 165: ACItoRGB(102, 2) = 41
426 ACItoRGB(103, 0) = 82: ACItoRGB(103, 1) = 165: ACItoRGB(103, 2) = 103
427 ACItoRGB(104, 0) = 0: ACItoRGB(104, 1) = 127: ACItoRGB(104, 2) = 31
428 ACItoRGB(105, 0) = 63: ACItoRGB(105, 1) = 127: ACItoRGB(105, 2) = 79
429 ACItoRGB(106, 0) = 0: ACItoRGB(106, 1) = 76: ACItoRGB(106, 2) = 19
430 ACItoRGB(107, 0) = 38: ACItoRGB(107, 1) = 76: ACItoRGB(107, 2) = 47
431 ACItoRGB(108, 0) = 0: ACItoRGB(108, 1) = 38: ACItoRGB(108, 2) = 9
432 ACItoRGB(109, 0) = 19: ACItoRGB(109, 1) = 38: ACItoRGB(109, 2) = 23
433 ACItoRGB(110, 0) = 0: ACItoRGB(110, 1) = 255: ACItoRGB(110, 2) = 127
434 ACItoRGB(111, 0) = 127: ACItoRGB(111, 1) = 255: ACItoRGB(111, 2) = 191
435 ACItoRGB(112, 0) = 0: ACItoRGB(112, 1) = 165: ACItoRGB(112, 2) = 82
436 ACItoRGB(113, 0) = 82: ACItoRGB(113, 1) = 165: ACItoRGB(113, 2) = 124
437 ACItoRGB(114, 0) = 0: ACItoRGB(114, 1) = 127: ACItoRGB(114, 2) = 63
438 ACItoRGB(115, 0) = 63: ACItoRGB(115, 1) = 127: ACItoRGB(115, 2) = 95
439 ACItoRGB(116, 0) = 0: ACItoRGB(116, 1) = 76: ACItoRGB(116, 2) = 38
440 ACItoRGB(117, 0) = 38: ACItoRGB(117, 1) = 76: ACItoRGB(117, 2) = 57
441 ACItoRGB(118, 0) = 0: ACItoRGB(118, 1) = 38: ACItoRGB(118, 2) = 19
442 ACItoRGB(119, 0) = 19: ACItoRGB(119, 1) = 38: ACItoRGB(119, 2) = 28
443 ACItoRGB(120, 0) = 0: ACItoRGB(120, 1) = 255: ACItoRGB(120, 2) = 191
444 ACItoRGB(121, 0) = 127: ACItoRGB(121, 1) = 255: ACItoRGB(121, 2) = 223
445 ACItoRGB(122, 0) = 0: ACItoRGB(122, 1) = 165: ACItoRGB(122, 2) = 124
446 ACItoRGB(123, 0) = 82: ACItoRGB(123, 1) = 165: ACItoRGB(123, 2) = 145
447 ACItoRGB(124, 0) = 0: ACItoRGB(124, 1) = 127: ACItoRGB(124, 2) = 95
448 ACItoRGB(125, 0) = 63: ACItoRGB(125, 1) = 127: ACItoRGB(125, 2) = 111
449 ACItoRGB(126, 0) = 0: ACItoRGB(126, 1) = 76: ACItoRGB(126, 2) = 57
450 ACItoRGB(127, 0) = 38: ACItoRGB(127, 1) = 76: ACItoRGB(127, 2) = 66
451 ACItoRGB(128, 0) = 0: ACItoRGB(128, 1) = 38: ACItoRGB(128, 2) = 28
452 ACItoRGB(129, 0) = 19: ACItoRGB(129, 1) = 38: ACItoRGB(129, 2) = 33
453 ACItoRGB(130, 0) = 1: ACItoRGB(130, 1) = 255: ACItoRGB(130, 2) = 255
454 ACItoRGB(131, 0) = 127: ACItoRGB(131, 1) = 255: ACItoRGB(131, 2) = 255
455 ACItoRGB(132, 0) = 0: ACItoRGB(132, 1) = 165: ACItoRGB(132, 2) = 165
456 ACItoRGB(133, 0) = 82: ACItoRGB(133, 1) = 165: ACItoRGB(133, 2) = 165
457 ACItoRGB(134, 0) = 0: ACItoRGB(134, 1) = 127: ACItoRGB(134, 2) = 127
458 ACItoRGB(135, 0) = 63: ACItoRGB(135, 1) = 127: ACItoRGB(135, 2) = 127
459 ACItoRGB(136, 0) = 0: ACItoRGB(136, 1) = 76: ACItoRGB(136, 2) = 76
460 ACItoRGB(137, 0) = 38: ACItoRGB(137, 1) = 76: ACItoRGB(137, 2) = 76
461 ACItoRGB(138, 0) = 0: ACItoRGB(138, 1) = 38: ACItoRGB(138, 2) = 38
462 ACItoRGB(139, 0) = 19: ACItoRGB(139, 1) = 38: ACItoRGB(139, 2) = 38
463 ACItoRGB(140, 0) = 0: ACItoRGB(140, 1) = 191: ACItoRGB(140, 2) = 255
464 ACItoRGB(141, 0) = 127: ACItoRGB(141, 1) = 223: ACItoRGB(141, 2) = 255
465 ACItoRGB(142, 0) = 0: ACItoRGB(142, 1) = 124: ACItoRGB(142, 2) = 165
466 ACItoRGB(143, 0) = 82: ACItoRGB(143, 1) = 145: ACItoRGB(143, 2) = 165
467 ACItoRGB(144, 0) = 0: ACItoRGB(144, 1) = 95: ACItoRGB(144, 2) = 127
468 ACItoRGB(145, 0) = 63: ACItoRGB(145, 1) = 111: ACItoRGB(145, 2) = 127
469 ACItoRGB(146, 0) = 0: ACItoRGB(146, 1) = 57: ACItoRGB(146, 2) = 76

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470 ACItoRGB(147, 0) = 38: ACItoRGB(147, 1) = 66: ACItoRGB(147, 2) = 76
471 ACItoRGB(148, 0) = 0: ACItoRGB(148, 1) = 28: ACItoRGB(148, 2) = 38
472 ACItoRGB(149, 0) = 19: ACItoRGB(149, 1) = 33: ACItoRGB(149, 2) = 38
473 ACItoRGB(150, 0) = 0: ACItoRGB(150, 1) = 127: ACItoRGB(150, 2) = 255
474 ACItoRGB(151, 0) = 127: ACItoRGB(151, 1) = 191: ACItoRGB(151, 2) = 255
475 ACItoRGB(152, 0) = 0: ACItoRGB(152, 1) = 82: ACItoRGB(152, 2) = 165
476 ACItoRGB(153, 0) = 82: ACItoRGB(153, 1) = 124: ACItoRGB(153, 2) = 165
477 ACItoRGB(154, 0) = 0: ACItoRGB(154, 1) = 63: ACItoRGB(154, 2) = 127
478 ACItoRGB(155, 0) = 63: ACItoRGB(155, 1) = 95: ACItoRGB(155, 2) = 127
479 ACItoRGB(156, 0) = 0: ACItoRGB(156, 1) = 38: ACItoRGB(156, 2) = 76
480 ACItoRGB(157, 0) = 38: ACItoRGB(157, 1) = 57: ACItoRGB(157, 2) = 76
481 ACItoRGB(158, 0) = 0: ACItoRGB(158, 1) = 19: ACItoRGB(158, 2) = 38
482 ACItoRGB(159, 0) = 19: ACItoRGB(159, 1) = 28: ACItoRGB(159, 2) = 38
483 ACItoRGB(160, 0) = 0: ACItoRGB(160, 1) = 63: ACItoRGB(160, 2) = 255
484 ACItoRGB(161, 0) = 127: ACItoRGB(161, 1) = 159: ACItoRGB(161, 2) = 255
485 ACItoRGB(162, 0) = 0: ACItoRGB(162, 1) = 41: ACItoRGB(162, 2) = 165
486 ACItoRGB(163, 0) = 82: ACItoRGB(163, 1) = 103: ACItoRGB(163, 2) = 165
487 ACItoRGB(164, 0) = 0: ACItoRGB(164, 1) = 31: ACItoRGB(164, 2) = 127
488 ACItoRGB(165, 0) = 63: ACItoRGB(165, 1) = 79: ACItoRGB(165, 2) = 127
489 ACItoRGB(166, 0) = 0: ACItoRGB(166, 1) = 19: ACItoRGB(166, 2) = 76
490 ACItoRGB(167, 0) = 38: ACItoRGB(167, 1) = 47: ACItoRGB(167, 2) = 76
491 ACItoRGB(168, 0) = 0: ACItoRGB(168, 1) = 9: ACItoRGB(168, 2) = 38
492 ACItoRGB(169, 0) = 19: ACItoRGB(169, 1) = 23: ACItoRGB(169, 2) = 38
493 ACItoRGB(170, 0) = 1: ACItoRGB(170, 1) = 1: ACItoRGB(170, 2) = 255
494 ACItoRGB(171, 0) = 127: ACItoRGB(171, 1) = 127: ACItoRGB(171, 2) = 255
495 ACItoRGB(172, 0) = 0: ACItoRGB(172, 1) = 0: ACItoRGB(172, 2) = 165
496 ACItoRGB(173, 0) = 82: ACItoRGB(173, 1) = 82: ACItoRGB(173, 2) = 165
497 ACItoRGB(174, 0) = 0: ACItoRGB(174, 1) = 0: ACItoRGB(174, 2) = 127
498 ACItoRGB(175, 0) = 63: ACItoRGB(175, 1) = 63: ACItoRGB(175, 2) = 127
499 ACItoRGB(176, 0) = 0: ACItoRGB(176, 1) = 0: ACItoRGB(176, 2) = 76
500 ACItoRGB(177, 0) = 38: ACItoRGB(177, 1) = 38: ACItoRGB(177, 2) = 76
501 ACItoRGB(178, 0) = 0: ACItoRGB(178, 1) = 0: ACItoRGB(178, 2) = 38
502 ACItoRGB(179, 0) = 19: ACItoRGB(179, 1) = 19: ACItoRGB(179, 2) = 38
503 ACItoRGB(180, 0) = 63: ACItoRGB(180, 1) = 0: ACItoRGB(180, 2) = 255
504 ACItoRGB(181, 0) = 159: ACItoRGB(181, 1) = 127: ACItoRGB(181, 2) = 255
505 ACItoRGB(182, 0) = 41: ACItoRGB(182, 1) = 0: ACItoRGB(182, 2) = 165
506 ACItoRGB(183, 0) = 103: ACItoRGB(183, 1) = 82: ACItoRGB(183, 2) = 165
507 ACItoRGB(184, 0) = 31: ACItoRGB(184, 1) = 0: ACItoRGB(184, 2) = 127
508 ACItoRGB(185, 0) = 79: ACItoRGB(185, 1) = 63: ACItoRGB(185, 2) = 127
509 ACItoRGB(186, 0) = 19: ACItoRGB(186, 1) = 0: ACItoRGB(186, 2) = 76
510 ACItoRGB(187, 0) = 47: ACItoRGB(187, 1) = 38: ACItoRGB(187, 2) = 76
511 ACItoRGB(188, 0) = 9: ACItoRGB(188, 1) = 0: ACItoRGB(188, 2) = 38
512 ACItoRGB(189, 0) = 23: ACItoRGB(189, 1) = 19: ACItoRGB(189, 2) = 38
513 ACItoRGB(190, 0) = 127: ACItoRGB(190, 1) = 0: ACItoRGB(190, 2) = 255
514 ACItoRGB(191, 0) = 191: ACItoRGB(191, 1) = 127: ACItoRGB(191, 2) = 255
515 ACItoRGB(192, 0) = 82: ACItoRGB(192, 1) = 0: ACItoRGB(192, 2) = 165
516 ACItoRGB(193, 0) = 124: ACItoRGB(193, 1) = 82: ACItoRGB(193, 2) = 165
517 ACItoRGB(194, 0) = 63: ACItoRGB(194, 1) = 0: ACItoRGB(194, 2) = 127
518 ACItoRGB(195, 0) = 95: ACItoRGB(195, 1) = 63: ACItoRGB(195, 2) = 127
519 ACItoRGB(196, 0) = 38: ACItoRGB(196, 1) = 0: ACItoRGB(196, 2) = 76

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520 ACItoRGB(197, 0) = 57: ACItoRGB(197, 1) = 38: ACItoRGB(197, 2) = 76
521 ACItoRGB(198, 0) = 19: ACItoRGB(198, 1) = 0: ACItoRGB(198, 2) = 38
522 ACItoRGB(199, 0) = 28: ACItoRGB(199, 1) = 19: ACItoRGB(199, 2) = 38
523 ACItoRGB(200, 0) = 191: ACItoRGB(200, 1) = 0: ACItoRGB(200, 2) = 255
524 ACItoRGB(201, 0) = 223: ACItoRGB(201, 1) = 127: ACItoRGB(201, 2) = 255
525 ACItoRGB(202, 0) = 124: ACItoRGB(202, 1) = 0: ACItoRGB(202, 2) = 165
526 ACItoRGB(203, 0) = 145: ACItoRGB(203, 1) = 82: ACItoRGB(203, 2) = 165
527 ACItoRGB(204, 0) = 95: ACItoRGB(204, 1) = 0: ACItoRGB(204, 2) = 127
528 ACItoRGB(205, 0) = 111: ACItoRGB(205, 1) = 63: ACItoRGB(205, 2) = 127
529 ACItoRGB(206, 0) = 57: ACItoRGB(206, 1) = 0: ACItoRGB(206, 2) = 76
530 ACItoRGB(207, 0) = 66: ACItoRGB(207, 1) = 38: ACItoRGB(207, 2) = 76
531 ACItoRGB(208, 0) = 28: ACItoRGB(208, 1) = 0: ACItoRGB(208, 2) = 38
532 ACItoRGB(209, 0) = 33: ACItoRGB(209, 1) = 19: ACItoRGB(209, 2) = 38
533 ACItoRGB(210, 0) = 255: ACItoRGB(210, 1) = 1: ACItoRGB(210, 2) = 255
534 ACItoRGB(211, 0) = 255: ACItoRGB(211, 1) = 127: ACItoRGB(211, 2) = 255
535 ACItoRGB(212, 0) = 165: ACItoRGB(212, 1) = 0: ACItoRGB(212, 2) = 165
536 ACItoRGB(213, 0) = 165: ACItoRGB(213, 1) = 82: ACItoRGB(213, 2) = 165
537 ACItoRGB(214, 0) = 127: ACItoRGB(214, 1) = 0: ACItoRGB(214, 2) = 127
538 ACItoRGB(215, 0) = 127: ACItoRGB(215, 1) = 63: ACItoRGB(215, 2) = 127
539 ACItoRGB(216, 0) = 76: ACItoRGB(216, 1) = 0: ACItoRGB(216, 2) = 76
540 ACItoRGB(217, 0) = 76: ACItoRGB(217, 1) = 38: ACItoRGB(217, 2) = 76
541 ACItoRGB(218, 0) = 38: ACItoRGB(218, 1) = 0: ACItoRGB(218, 2) = 38
542 ACItoRGB(219, 0) = 38: ACItoRGB(219, 1) = 19: ACItoRGB(219, 2) = 38
543 ACItoRGB(220, 0) = 255: ACItoRGB(220, 1) = 0: ACItoRGB(220, 2) = 191
544 ACItoRGB(221, 0) = 255: ACItoRGB(221, 1) = 127: ACItoRGB(221, 2) = 223
545 ACItoRGB(222, 0) = 165: ACItoRGB(222, 1) = 0: ACItoRGB(222, 2) = 124
546 ACItoRGB(223, 0) = 165: ACItoRGB(223, 1) = 82: ACItoRGB(223, 2) = 145
547 ACItoRGB(224, 0) = 127: ACItoRGB(224, 1) = 0: ACItoRGB(224, 2) = 95
548 ACItoRGB(225, 0) = 127: ACItoRGB(225, 1) = 63: ACItoRGB(225, 2) = 111
549 ACItoRGB(226, 0) = 76: ACItoRGB(226, 1) = 0: ACItoRGB(226, 2) = 57
550 ACItoRGB(227, 0) = 76: ACItoRGB(227, 1) = 38: ACItoRGB(227, 2) = 66
551 ACItoRGB(228, 0) = 38: ACItoRGB(228, 1) = 0: ACItoRGB(228, 2) = 28
552 ACItoRGB(229, 0) = 38: ACItoRGB(229, 1) = 19: ACItoRGB(229, 2) = 33
553 ACItoRGB(230, 0) = 255: ACItoRGB(230, 1) = 0: ACItoRGB(230, 2) = 127
554 ACItoRGB(231, 0) = 255: ACItoRGB(231, 1) = 127: ACItoRGB(231, 2) = 191
555 ACItoRGB(232, 0) = 165: ACItoRGB(232, 1) = 0: ACItoRGB(232, 2) = 82
556 ACItoRGB(233, 0) = 165: ACItoRGB(233, 1) = 82: ACItoRGB(233, 2) = 124
557 ACItoRGB(234, 0) = 127: ACItoRGB(234, 1) = 0: ACItoRGB(234, 2) = 63
558 ACItoRGB(235, 0) = 127: ACItoRGB(235, 1) = 63: ACItoRGB(235, 2) = 95
559 ACItoRGB(236, 0) = 76: ACItoRGB(236, 1) = 0: ACItoRGB(236, 2) = 38
560 ACItoRGB(237, 0) = 76: ACItoRGB(237, 1) = 38: ACItoRGB(237, 2) = 57
561 ACItoRGB(238, 0) = 38: ACItoRGB(238, 1) = 0: ACItoRGB(238, 2) = 19
562 ACItoRGB(239, 0) = 38: ACItoRGB(239, 1) = 19: ACItoRGB(239, 2) = 28
563 ACItoRGB(240, 0) = 255: ACItoRGB(240, 1) = 0: ACItoRGB(240, 2) = 63
564 ACItoRGB(241, 0) = 255: ACItoRGB(241, 1) = 127: ACItoRGB(241, 2) = 159
565 ACItoRGB(242, 0) = 165: ACItoRGB(242, 1) = 0: ACItoRGB(242, 2) = 41
566 ACItoRGB(243, 0) = 165: ACItoRGB(243, 1) = 82: ACItoRGB(243, 2) = 103
567 ACItoRGB(244, 0) = 127: ACItoRGB(244, 1) = 0: ACItoRGB(244, 2) = 31
568 ACItoRGB(245, 0) = 127: ACItoRGB(245, 1) = 63: ACItoRGB(245, 2) = 79
569 ACItoRGB(246, 0) = 76: ACItoRGB(246, 1) = 0: ACItoRGB(246, 2) = 19

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1
570 ACItoRGB(247, 0) = 76: ACItoRGB(247, 1) = 38: ACItoRGB(247, 2) = 47
571 ACItoRGB(248, 0) = 38: ACItoRGB(248, 1) = 0: ACItoRGB(248, 2) = 9
572 ACItoRGB(249, 0) = 38: ACItoRGB(249, 1) = 19: ACItoRGB(249, 2) = 23
573 ACItoRGB(250, 0) = 84: ACItoRGB(250, 1) = 84: ACItoRGB(250, 2) = 84
574 ACItoRGB(251, 0) = 118: ACItoRGB(251, 1) = 118: ACItoRGB(251, 2) = 118
575 ACItoRGB(252, 0) = 152: ACItoRGB(252, 1) = 152: ACItoRGB(252, 2) = 152
576 ACItoRGB(253, 0) = 186: ACItoRGB(253, 1) = 186: ACItoRGB(253, 2) = 186
577 ACItoRGB(254, 0) = 220: ACItoRGB(254, 1) = 220: ACItoRGB(254, 2) = 220
578 ACItoRGB(255, 0) = 252: ACItoRGB(255, 1) = 252: ACItoRGB(255, 2) = 252
579 Dim arr(2) As Integer
580 arr(0) = ACItoRGB(ACI, 0)
581 arr(1) = ACItoRGB(ACI, 1)
582 arr(2) = ACItoRGB(ACI, 2)
583 lookUpRGB = arr
584 End Function
585
586 Sub Main()
587 Dim RGB
588 RGB = lookUpRGB(112)
589 Debug.Print RGB(0)
590 Debug.Print RGB(1)
591 Debug.Print RGB(2)
592 End Sub
593
594 Public Sub moveAll()
595 Dim sset As AcadSelectionSet
596 Set sset = ThisDrawing.SelectionSets.Add("SSET2" )
597 sset.Select acSelectionSetAll
598
599 Dim point1(0 To 2) As Double
600 Dim point2(0 To 2) As Double
601 point1(0) = 0: point1(1) = 0: point1(2) = 0
602 point2(0) = 20000: point2(1) = 0: point2(2) = 0
603
604 ' Move the circle
605 ' sset.Move point1, point2
606
607 For Each ent In sset
608 ent.Move point1, point2
609 Next
610
611 ZoomAll
612 MsgBox "Move completed." , , "Move Examp!"
613 End Sub

```



```
614  
615 Public Sub ReadXRec()  
616     Dim oDict As AcadDictionary  
617     Dim oXRec As AcadXRecord  
618     Dim dxfCode, dxfData  
619     Set oDict = ThisDrawing.Dictionaries.Item("SampleTest" )  
620     Set oXRec = oDict.Item("Record1" )  
621     oXRec.GetXRecordData dxfCode, dxfData  
622     Debug.Print dxfData(0)  
623     Debug.Print dxfData(1)  
624 End Sub
```

```

625
626 'Ravi Pothineni 1/13/2003
627 'Modify the following lisp code to define you command to run the revert()
macro.
628 'You need to change "c:/temp/" to the directory where this file is copied.
629 '(defun C:REVERTVBA ()
630 ' (acet-error-init '("CMDECHO" 0)))
631 ' (vl-vbarun "c:/temp/revert.dvb!ThisDrawing.revert")
632 ' (acet-error-restore)
633 ' (princ)
634 ')
635 Public Sub revert()
636     If Documents.Count > 0 Then
637         If ThisDrawing.GetVariable("DWGTITLED" ) = 1 Then
638             If ThisDrawing.GetVariable("dbmod" ) > 0 Then
639
640                 Dim strName As String
641                 strName = ThisDrawing.FullName
642                 If MsgBox("Abandon changes to " & strName, vbOKCancel +
vbExclamation + _
643                     vbDefaultButton2, "AutoCAD - REVERT VBA" ) <> vbCancel
644                     Then
645                         If AcadApplication.Preferences.System.SingleDocumentMode = False
646                             Then
647                             ActiveDocument.Close False
648                             Documents.Open strName
649                             Else
650                             ThisDrawing.Open strName
651                             End If
652                         End If
653                     End If
654                 Else
655                     MsgBox "Drawing has never been saved." , vbCritical + vbOKOnly,
"AutoCAD - REVERT VBA"
656                 End If
657             End If
658         End If
659     End If
660
661 Private Sub ListLayers()
662     Set objDbx = GetInterfaceObject("ObjectDBX.AxDbDocument" )
663     Dim inDir As String
664     Dim elem As Object
665     Dim filenom As String
666     Dim WholeFile As String
667     Dim newHeight As Double
668     inDir = "r:\projekt\3828\A"
669     filenom = Dir$(inDir & "\*.dwg" )
670     Do While filenom <> ""
671         ThisDrawing.Utility.Prompt vbCrLf & "File: " & filenom
672         ThisDrawing.Utility.Prompt vbCrLf & "-----"
673         WholeFile = inDir & "\" & filenom
674     Loop

```

```

670     objDbx.Open WholeFile
671     For Each elem In objDbx.Layers
672         ThisDrawing.Utility.Prompt vbCrLf & elem.Name
673     Next
674     Set elem = Nothing
675     objDbx.SaveAs WholeFile
676     filenom = Dir$
677     ThisDrawing.Utility.Prompt vbCrLf
678 Loop
679 End Sub

680
681
682 ' Code by Jimmy B 2000-06-08
683 ' No shortcut menu when in line command but in all others
684 ' When no command is active right click is treated as an enter
685 Dim line As Boolean
686 Sub Test()
687     Dim xAP As Excel.Application
688     Dim xWB As Excel.Workbook
689     Dim xWS As Excel.Worksheet
690     Set xAP = Excel.Application
691     Set xWB = xAP.Workbooks.Open("C:\A2K2_VBA\Unknown.xls" )
692     Set xWS = xWB.Worksheets("Sheet1" )
693     MsgBox "Excel says: " & "" & Cells(1, 1) & "" "" ""
694
695     Dim A2K As AcadApplication
696     Dim A2Kdwg As AcadDocument
697     Set A2K = CreateObject("AutoCAD.Application" )
698     Set A2Kdwg = A2K.Application.Documents.Add
699     MsgBox A2K.Name & " version " & A2K.Version & _
700         " is running."
701
702     Dim Height As Double
703     Dim P(0 To 2) As Double
704     Dim TxtObj As AcadText
705     Dim TxtStr As String
706     Height = 1
707     P(0) = 1: P(1) = 1: P(2) = 0
708     TxtStr = Cells(1, 1)
709     Set TxtObj = A2Kdwg.ModelSpace.AddText(TxtStr, _
710         P, Height)
711
712     A2Kdwg.SaveAs "C:\A2K2_VBA\Unknown.dwg"
713     A2K.Documents.Close
714     A2K.Quit
715     Set A2K = Nothing
716
717     xAP.Workbooks.Close
718     xAP.Quit
719     Set xAP = Nothing

```

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```

720     End Sub
721
722
723     Sub transformAllInDir()
724         Dim drawings As Collection
725         Set drawings = getDrawingList("C:\test" )
726         For Each drawing In drawings
727             MsgBox drawing
728         Next drawing
729     End Sub
730
731     Public Sub WriteXRec()
732         Dim oDict As AcadDictionary
733         Dim oXRec As AcadXRecord
734         Dim dxfCode(0 To 1) As Integer
735         Dim dxfData(0 To 1)
736         Set oDict = ThisDrawing.Dictionaries.Add("SampleTest" )
737         Set oXRec = oDict.AddXRecord("Record1" )
738         dxfCode(0) = 1: dxfData(0) = "First Value"
739         dxfCode(1) = 2: dxfData(1) = "Second Value"
740         oXRec.SetXRecordData dxfCode, dxfData
741     End Sub
742
743     Sub xref_test()
744         Dim ps_str As String
745         Dim po_blk As AcadBlock
746         Dim po_blkref As AcadBlockReference
747         Dim pi_dxf70 As Integer
748         Dim pv_1 As Variant
749         Dim userr1 As Integer
750
751         ThisDrawing.Utility.GetEntity po_blkref, pv_1
752
753         userr1 = ThisDrawing.GetVariable("USERR1" )
754         Set po_blk = ThisDrawing.Blocks(po_blkref.Name)
755         ps_str = "(SETVAR " "USERR1" " (cdr (assoc 70 (tblsearch " "BLOCK" " "
756         "" & po_blkref.Name & "" "")))) "
757         ThisDrawing.SendCommand ps_str
758         pi_dxf70 = ThisDrawing.GetVariable("USERR1" )
759
760         ps_str = "(SETVAR " "USERR1" " " & userr1 & ") "
761         ThisDrawing.SendCommand ps_str
762
763         If pi_dxf70 = 44 Then MsgBox "XREF " & po_blk.Name & " is Overlaid."
764         If pi_dxf70 = 36 Then MsgBox "XREF " & po_blk.Name & " is Attached."
765     End Sub
766
767     Dim objDbx As AxDdbDocument

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