Public Function GetNumberRange(ByVal StartNum As Long, ByVal EndNum As Long, \_

Optional ByVal StepNum As Long = 1) As Variant

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' Procedure : GetNumberRange

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' Purpose : Return array of every StepNum value, starting at StartNum and ending at EndNum

' : Mimics Python's Range() function, sort of.

' :

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'Numerics:

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Dim lngNum As Long

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

'Arrays:

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Dim arResult As Variant

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

10 On Error GoTo ErrProc

20 GetNumberRange = Null

'========================================================

'Validate parameters.

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'========================================================

'Can't use positive step when starting value is greater

'ending value

'========================================================

30 If StartNum > EndNum And StepNum > 0 Then Exit Function

'========================================================

'Can't use negative step when starting value is less than

'ending value

'========================================================

40 If StartNum < EndNum And StepNum < 0 Then Exit Function

'========================================================

'Step value must be non zero.

'========================================================

50 If StepNum = 0 Then Exit Function

60 If StartNum = EndNum Then

70 GetNumberRange = Array(StartNum)

80 Exit Function

90 End If

100 For lngNum = StartNum To EndNum Step StepNum

110 AddToArray DataArray:=arResult, InputValue:=lngNum, KeepUnique:=False

120 Next lngNum

130 GetNumberRange = arResult

140 Exit Function

ErrProc:

150 GetNumberRange = Null

160 MsgBox "Error " & Err.Number & " (" & Err.Description & ") at line " \_

& Erl & " in procedure GetNumberRange of Module " & MODULE\_NAME

End Function