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**Procedure:** Excel - Finding the Maximum Value in Each Column in a Range

**Source:** [**LINK**](http://www.automateexcel.com/2008/10/16/finding-the-maximum-value-in-each-column-in-a-range/)

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# **Excel – Finding the Maximum Value in Each Column in a Range**

The following function will return the **Maximum Value** in each **Column** in a **Range**:

Function Max\_Each\_Column(Data\_Range As Range) As Variant

 Dim TempArray() As Double, i As Long

 If Data\_Range Is Nothing Then Exit Function

 With Data\_Range

 ReDim TempArray(1 To .Columns.Count)

 For i = 1 To .Columns.Count

 TempArray(i) = Application.Max(.Columns(i))

 Next

 End With

 Max\_Each\_Column = TempArray

End Function

We can use a subroutine like the following to display the results:

Private Sub CommandButton1\_Click()

Dim Answer As Variant

Dim No\_of\_Cols As Integer

Dim i As Integer

No\_of\_Cols = Range("B5:G27").Columns.Count

ReDim Answer(No\_of\_Cols)

Answer = Max\_Each\_Column(Sheets("Sheet1").Range("B5:g27"))

For i = 1 To No\_of\_Cols

MsgBox Answer(i)

Next i

End Sub

So:



Will return **990,907, 992, 976 ,988** and **873** for each of the above columns.