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**:

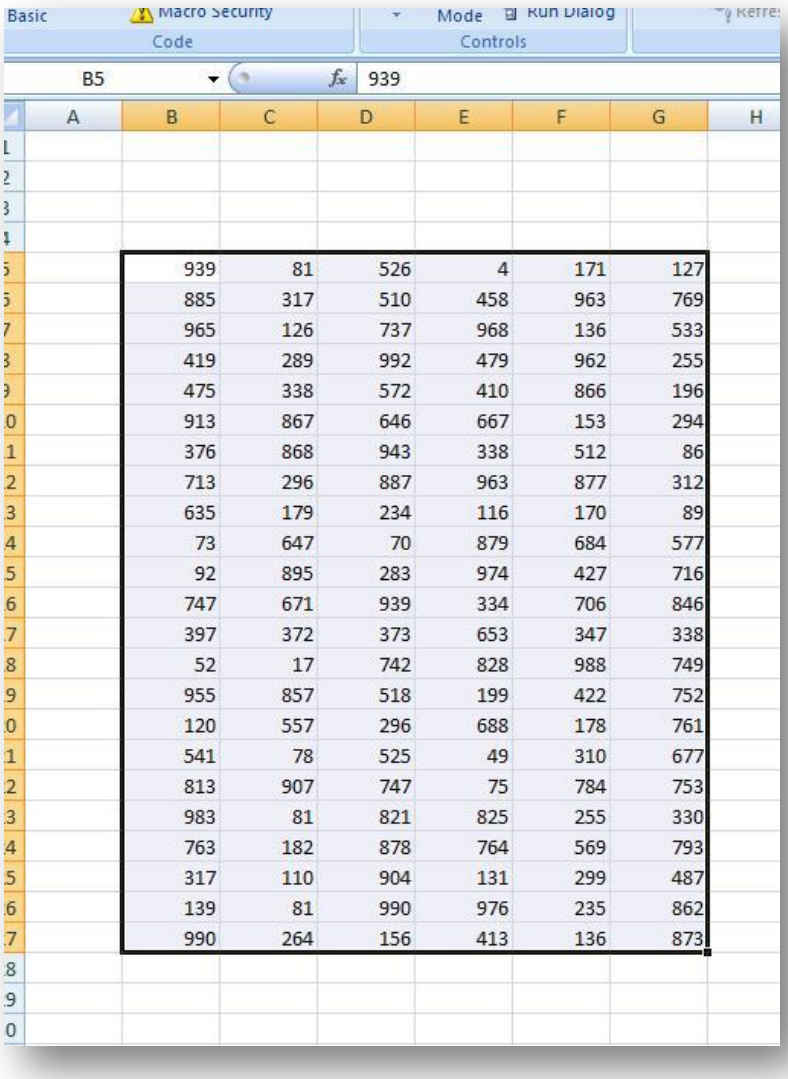
```
Function Max_Each_Column(Data_Range As Range) As Variant
    Dim TempArray() As Double, i As Long
        If Data_Range Is Nothing Then Exit Function
        With Data_Range
        ReDim TempArray(1 To .Columns.Count)
        For i = 1 To .Columns.Count
            TempArray(i) = Application.Max(.Columns(i))
        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:



939	81	526	4	171	127
885	317	510	458	963	769
965	126	737	968	136	533
419	289	992	479	962	255
475	338	572	410	866	196
913	867	646	667	153	294
376	868	943	338	512	86
713	296	887	963	877	312
635	179	234	116	170	89
73	647	70	879	684	577
92	895	283	974	427	716
747	671	939	334	706	846
397	372	373	653	347	338
52	17	742	828	988	749
955	857	518	199	422	752
120	557	296	688	178	761
541	78	525	49	310	677
813	907	747	75	784	753
983	81	821	825	255	330
763	182	878	764	569	793
317	110	904	131	299	487
139	81	990	976	235	862
990	264	156	413	136	873

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