UBound Function

The UBound Function returns the Largest subscript of the specified array. Hence, this value corresponds to the size of the array.

Syntax :

```vbnet
UBound(ArrayName [, dimension])
```

1. ArrayName, a Required parameter. This parameter corresponds to the name of the array.

2. dimension, an Optional Parameter. This takes an integer value that corresponds to dimension of the array. If it is '1', then it returns the lower bound of the first dimension; if it is '2', then it returns the lower bound of the second dimension, and so on.

Example :

Add a button and add the below function

```vbnet
Private Sub Constant_demo_Click()
    Dim arr(5) as Variant
    arr(0) = "1"  'Number as String
    arr(1) = "VBScript"  'String
    arr(2) = 100  'Number
    arr(3) = 2.45  'Decimal Number
    arr(4) = #10/07/2013#  'Date
    arr(5) = #12.45 PM#  'Time
    msgbox("The smallest Subscript value of the given array is : " & UBound(arr))

    ' For MultiDimension Arrays :
    Dim arr2(3,2) as Variant
    msgbox("The smallest Subscript of the first dimension of arr2 is : " & UBound(arr2,1))
    msgbox("The smallest Subscript of the Second dimension of arr2 is : " & UBound(arr2,2))
End Sub
```

When you execute the function the output is shown below:

```
The Largest Subscript value of the given array is : 5
The Largest Subscript of the first dimension of arr2 is : 3
The Largest Subscript of the Second dimension of arr2 is : 2
```