**VBScript Arrays**

An array in VBScript is a special type of variable that allows us to store multiple values against a single variable name.

Suppose we need to store yearly temperatures of a particular place. We can use normal variables to do so, but the resultant code would be very hard to manage and maintain. In such situations VBScript arrays come to our help.

Arrays can be visualized as a stack of elements, where each element has an index number and a value. The following table resembles an array:

|  |  |
| --- | --- |
| **Array** | |
| **0** | Mango |
| **1** | Apple |
| **2** | Orange |

The numbers on the left are indices and on the right are the values. Note that VBScript arrays start their numbering at zero.

The syntax for creating a VBScript array follows:

Dim fruits(3)  
fruits(0) = "Mango"  
fruits(1) = "Apple"  
fruits(2) = "Orange"

We can access data in an array by referring to the name of the array and the element's index number. The syntax for accessing array elements follows:

Dim myFruit  
myFruit = fruits(1)

We can very easily modify the contents of a VBScript array. Assigning a new value to an array index, discards the old value and updates the index with the new value.

Dim fruits(3)  
fruits(0) = "Mango"  
fruits(1) = "Apple"  
fruits(2) = "Orange"  
fruits(1) = "Banana"

Msgbox fruits (1)