

VBA - CONSTANTS

Constant is a named memory location used to hold a value that CANNOT be changed during the script execution. If a user tries to change a Constant Value, the Script execution ends up with an error. Constants are declared the same way the variables are declared.

Below are the rules for naming a constant.

- You must use a letter as the first character.
- You can't use a space, period . , exclamation mark !, or the characters @, &, \$, # in the name.
- Name can't exceed 255 characters in length.
- Cannot use Visual Basic reserved keywords as variable name.

Syntax

In VBA, we need to assign a value to the declared Constants. Error would be thrown if we try to change the value of the constant.

```
Const <>constant_name>> As <>constant_type>> = <>constant_value>>
```

Example

We will create a button "Constant_demo" to demonstrate how to work with constants.

```
Private Sub Constant_demo_Click()
    Const MyInteger As Integer = 42
    Const myDate As Date = #2/2/2020#
    Const myDay As String = "Sunday"

    MsgBox "Integer is " & MyInteger & Chr(10) & "myDate is " & myDate & Chr(10) & "myDay
is " & myDay

End Sub
```

Output

Upon executing the script, the output will be displayed as shown below.

