

## VBA

Const identifier = value

Data types: Byte, Boolean, Integer, Long, Single, Double, String

```
Dim identifier As data_type
Dim Tab1 ( p To k ) As data_type
Dim Tab2 ( p1 To k1, p2 To k2 ) As data_type
```

```
identifier = InputBox ( Question [, Title] [, DefaultText]
                    [, XPos] [, YPos] [, HelpFile, Context] )
```

```
identifier = MsgBox (Message [, Buttons] [, Title] [, HelpFile, Context] )
```

```
If condytion1 Then
    statements
Elseif condition2 Then
    statements
Else
    statements
End If
```

```
While condition
    statements
Wend
```

```
Do While condition
    statements
Loop

Do
    statements
Loop While condition
```

```
Do Until condition
    statements
Loop
```

```
Do
    statements
Loop Until condition
```

```
For i = w1 To w2 [Step value]
    statements
Next i
```

```
Sub identifier ( arguments )
    ...
End Sub
```

```
Function identifier ( arguments ) As data_type
    ...
End Function
```

```
Cells(row, column).Value = value
Sheets(3).Cells(row, column).Value = value
Sheets("Name").Cells(row, column).Value = value
Workbooks("File").Sheets("Name").Cells(row, column).Value = value
```

```
Range(adress).Value = value
Sheets(2).Range(adress).Value = value
Sheets("Name").Range(adress).Value = value
Workbooks("File").Sheets("Name").Range(adress).Value = value
```

Special Characters

```
" " - string value
' - start a comment line
_ - connector line split into several lines
& - concatenate operator
```