Macro Script

* Object: Tables, Sheets, Charts, Cells, Rows ,etc..
* Properties: .Color, .Font, .Value (Syntax: A1.color, Range(“A1”).Value)
* Methods: Rows(“1:1”).Insert, Rows.Select, etc…

## Variables

* 1. **To use it later**

# Declare Integer Variables

**Dim** aNumber **As Integer**

# Give it a value

aNumber **=** 2

# Use/Call the Variable

**Range**(“A5”).**Value =** aNumber

* 1. **To retrieve information and use it**

# Declare Integer Variables

**Dim** aDate **As Date**

# Retrieve information

aDate = Range(“E1”).Value

* 1. **Data Type**
* Text
* Boolean: TRUE, FALSE
* Number

|  |  |  |
| --- | --- | --- |
| Number | | |
| Decimal | Double | Integer |
| 28 decimal placeholders  14 bytes | Gazilians  8 bytes | -2M – 2M  2 bytes |

## FOR Loops

For x to

(Code lines)

Next x

## Do While Loop

* 1. Do WHILE Loop

Public Sub ExampleDoWhileLoop()

Dim x As Integer

x = 1

Do While x < 10

Cells(x, 1).Value = 100

x = x + 1

Loop

* 1. DO UNITIL -Loop

Public Sub DoUntilLoopEx()

Dim intRow As Integer

intRow = 1

Do Until IsEmpty(Cells(intRow, 1))

Cells(intRow, 1).Value = "Info"

intRow = intRow + 1

Loop

* 1. Do - Loop UNTIL

Public Sub DoLoopUNTIL()

Dim intRow As Integer

intRow = 1

Do

Cells(intRow, 1).Value = "Info"

intRow = intRow + 1

Loop Until IsEmpty(Cells(intRow, 1))

End Sub

## Worksheets, count, offset, copy

**CREATE INCOME STATEMENT**

Public Sub PopPandL()

Dim x As Integer

Dim sheettitle As String

# Loop through the worksheet

For x = 1 To Worksheets.Count

Worksheets(x).Select # Select each worksheet

sheettitle = ActiveSheet.Name # Retrieve title of copying worksheet to copy data from

Worksheets("P&L").Select # Select work to past to

#

Range("A1").Select # In the pasted worksheet, select the cells to copy to

Selection.Offset(x \* 5 + 2, 0).Select

Selection.Value = sheettitle

Selection.Font.Bold = True

Worksheets(x).Select

Range("A1").Select

Selection.CurrentRegion.Copy

Sheets("P&L").Select

ActiveCell.Offset(1, 0).Select

ActiveSheet.PasteSpecial

Next x

Rows("3:6").Delete

End Sub