
VBA - WORKSHEETS, SHEETS & CHARTS (SHORT)

1. WORKSHEETS

Activate worksheet:

```
Sub SelectWorksheet()
    Worksheets("Sheet1").Activate
End Sub
```

Loop all worksheets:

```
Sub LoopWorksheets()
    Dim ws As Worksheet
    For Each ws In Worksheets
        MsgBox ws.Name
    Next ws
End Sub
```

2. SHEETS VS WORKSHEETS

```
Sub SheetsVsWorksheets()
    MsgBox "Total Sheets: " & Sheets.Count
    MsgBox "Only Worksheets: " & Worksheets.Count
End Sub
```

Sheets = Worksheets + Chart Sheets
Worksheets = Data sheets only

3. CHART SHEETS

Add chart sheet:

```
Sub AddChartSheet()
    Dim ch As Chart
    Set ch = Charts.Add
    ch.ChartType = xlColumnClustered
    ch.HasTitle = True
    ch.ChartTitle.Text = "Sales"
End Sub
```

4. EMBEDDED CHART

Add chart in worksheet:

```
Sub EmbeddedChart()
    Dim ws As Worksheet
    Dim chartObj As ChartObject

    Set ws = Worksheets("Sheet1")
    Set chartObj = ws.ChartObjects.Add(500, 100, 600, 400)

    With chartObj.Chart
        .ChartType = xlLine
        .HasTitle = True
        .ChartTitle.Text = "Line Chart"
    End With
End Sub
```

5. LOOP ALL SHEETS

```
Sub LoopAllSheets()
    Dim Sh As Object
    For Each Sh In Sheets
        MsgBox Sh.Name
    Next Sh
End Sub
```

SUMMARY TABLE

Term	Contains	Example
Worksheets	Data sheets only	Worksheets(1)
Sheets	Data + Chart sheets	Sheets(1)
Charts	Chart sheets	Charts.Add
ChartObjects	Embedded charts	ws.ChartObjects

QUICK COMMANDS

```
Worksheets("Sheet1").Activate
Worksheets(1).Select
Worksheets("Sales").Range("A1").Value = 100
```

```
Sheets.Count
Sheets(1).Name = "NewName"
```

```
Charts.Add
Charts(1).ChartType = xlPie
```

```
ws.ChartObjects.Add(100, 100, 500, 300)
```

```
For Each ws In Worksheets
Next ws
```

```
For Each Sh In Sheets
Next Sh
```
