

## 2. For Each...Next Loop

> Use when you want to loop through a collection of objects (like sheets, cells, workbooks).

It's easier because you don't need a counter.

### Syntax:

```
For Each element In Collection
    Code to run
Next element
```

### Example 1: Looping Through Worksheets

```
Sub ForEachSheet()
    Dim ws As Worksheet

    For Each ws In ThisWorkbook.Worksheets
        MsgBox "Sheet name: " & ws.name
    Next ws
End Sub
```

### Example 2: Looping Through Cells

```
Sub ForEachCell()
    Dim c As Range

    For Each c In Range("A1:A5")
        c.Value = "Hello"
    Next c
End Sub
```

### Example 3: Looping Through Open Workbooks

```
Sub ForEachWorkbook()
    Dim Wb As Workbook

    For Each Wb In Application.Workbooks
        MsgBox "Open Workbook: " & Wb.name
    Next Wb
End Sub
```

## Key Difference Between For...Next and For Each...Next

Feature	For...Next	For Each...Next
Loop type	Numeric loop	Object loop
Best for	Know how many times to repeat	When working with collections (sheets, cells, files)
Example	For i = 1 To 10	For Each ws In Worksheets