

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