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VBA NOTES — DO WHILE & DO UNTIL LOOPS
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Option Explicit

1. What is a Loop in VBA?
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A loop repeats a block of code until a condition is met (or while a condition is
true).
Instead of writing the same code many times, loops let you automate repetition.


2. Do While Loop
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Runs the block of code while the condition is TRUE.
As soon as the condition becomes FALSE → loop stops.

Syntax:
Do While Condition
    ' Code to execute
Loop

Example:
Sub DoWhileExample()
    Dim i As Integer
    i = 1

    Do While i <= 5
        MsgBox "Number is " & i
        i = i + 1
    Loop
End Sub


3. Do Until Loop
----------------
Runs the block of code until the condition becomes TRUE.
That means → it keeps looping while the condition is FALSE.

Syntax:
Do Until Condition
    ' Code to execute
Loop

Example:
Sub DoUntilExample()
    Dim i As Integer
    i = 1

    Do Until i > 5
        MsgBox "Number is " & i
        i = i + 1
    Loop
End Sub


SUMMARY TABLE
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| Loop Type   | Runs While...             | Stops When...             | Example
Condition      |
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+------------------------------+
| Do While    | Condition = TRUE          | Condition becomes FALSE    | i <= 5
|
| Do Until    | Condition = FALSE         | Condition becomes TRUE     | i > 5
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NOTES:

- "Do While" continues looping as long as the condition remains TRUE.
- "Do Until" continues looping as long as the condition remains FALSE.
- Both loop types are useful for repeating tasks automatically until a condition changes.