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VBA - SELECTING CELLS (SHORT NOTES)

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1. RANGE - SELECT BY ADDRESS

Syntax: Range("A1")

```
Sub ExampleRange()  
    Range("A1").Select           ' Select A1  
    Range("A1:B3").Select       ' Select block  
    Range("C1").Value = "Hello" ' Write in C1  
End Sub
```

Use: Know exact cell address

2. CELLS - SELECT BY ROW & COLUMN NUMBER

Syntax: Cells(row, column)
A1=Cells(1,1), B3=Cells(3,2), D5=Cells(5,4)

```
Sub ExampleCells()  
    Cells(1, 1).Select           ' Select A1  
    Cells(3, 2).Value = "World" ' B3  
    Range(Cells(2, 1), Cells(4, 3)).Select ' A2:C4  
End Sub
```

Use: Loops, variables, calculations

3. ACTIVECELL - CURRENT SELECTED CELL

Syntax: ActiveCell

```
Sub ExampleActiveCell()  
    Range("B2").Select  
    MsgBox "Active Cell: " & ActiveCell.Address ' $B$2  
    ActiveCell.Value = "I am active"  
End Sub
```

Use: Work with selected cell

4. END - JUMP TO LAST FILLED CELL

Syntax: End(xlDown), End(xlUp), End(xlRight), End(xlLeft)

```
Sub ExampleEnd()  
    Range("A1").Select  
    ActiveCell.End(xlDown).Select ' Jump down to last cell  
    ActiveCell.End(xlRight).Select ' Jump right to last cell  
End Sub
```

Use: Find last data cell

5. OFFSET - MOVE RELATIVE TO STARTING CELL

Syntax: Offset(rows, columns)

```

Sub ExampleOffset()
    Range("A1").Select
    ActiveCell.Offset(1, 5).Select    ' Down 1, Right 5
    ActiveCell.Offset(0, -2).Value = "Hello" ' Left 2
End Sub

```

Use: Relative positioning, adjacent cells

ADVANCED SELECTIONS

Entire Column:
Columns("C").Select

Entire Row:
Rows(5).Select

Current Region:
Range("A1").CurrentRegion.Select

Entire Sheet:
Cells.Select

SUMMARY TABLE

Method	Syntax	Use When
Range	Range("A1:B3")	Know exact address
Cells	Cells(1, 1)	Using loops/numbers
ActiveCell	ActiveCell.Value	Work with selected
End	End(xlDown)	Find last data
Offset	Offset(1, 0)	Relative movement

QUICK EXAMPLES

Write in A1:
Range("A1").Value = "Hello"

Fill 10 cells using loop:
For i = 1 To 10
 Cells(i, 1).Value = i
Next i

Write next to A1:
Range("A1").Offset(0, 1).Value = "B1"

Find last row:
Range("A1").End(xlDown).Select

COMPLETE EXAMPLE

```

Sub SelectExamples()
    Dim i As Integer

```

```
Range("A1").Value = "Numbers"  
Range("A1").Offset(0, 1).Value = "Numbers*10"
```

```
For i = 1 To 10  
    Cells(i + 1, 1).Value = i  
    Range("A1").Offset(i, 1).Value = i * 10  
Next i
```

```
Range("A1").End(xlDown).Select  
MsgBox "Last cell: " & ActiveCell.Address
```

```
End Sub
```

Result:

A1: Numbers	B1: Numbers*10
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A2: 1	B2: 10
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A3: 2	B3: 20
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... and so on

```
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```

FILE: VBA_Selecting_Cells_Short.txt

```
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```