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VBA APPLICATION.INPUTBOX - STUDY NOTES

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1. DIFFERENCE BETWEEN INPUTBOX AND APPLICATION.INPUTBOX

- InputBox: Always returns a string (even if you type a number, you need to convert it).
- Application.InputBox: Lets you control the data type (number, text, cell reference, etc.) using the Type argument.

2. SYNTAX

Format:

Application.InputBox(Prompt, Title, Default, Left, Top, HelpFile, HelpContextID, Type)

- Prompt: Message shown to the user.
- Title: Title of the input box.
- Default: Default value.
- Type: Determines what kind of value is expected.

3. TYPE ARGUMENT TABLE

Type	Meaning
0	Formula (default)
1	Number
2	Text (string)
4	Boolean (True/False)
8	Cell Reference (Range object)
64	Array of values

4. CODE EXAMPLES

Example 1: Get a Number
(Returns a numeric value directly)

```
Sub AppInputBoxNumber()  
    Dim userNum As Double  
    userNum = Application.InputBox("Enter a number:", "Number Input",  
10, , , , 1)  
  
    MsgBox "You entered: " & userNum & vbCrLf & _  
        "Square = " & userNum * userNum  
End Sub  
  
...
```

Example 2: Get Text

```
Sub AppInputBoxText()  
    Dim userText As String  
    userText = Application.InputBox("Enter your city:", "Text Input",  
"Pune", , , , 2)  
  
    MsgBox "You live in: " & userText  
End Sub
```

...

Example 3: Get Cell Reference (Very Useful!)
(Allows user to select cells on the sheet)

```
Sub AppInputBoxRange()  
    Dim rng As Range  
    Set rng = Application.InputBox("Select a cell or range:", "Range Input",  
Type:=8)  
  
    MsgBox "You selected range: " & rng.Address  
    rng.Interior.Color = vbYellow ' highlight selection  
End Sub
```

...

Example 4: Boolean (True/False)

```
Sub AppInputBoxBoolean()  
    Dim choice As Boolean  
    choice = Application.InputBox("Enter True or False:", "Boolean Input", , , ,  
    , , 4)  
  
    If choice = True Then  
        MsgBox "You chose TRUE"  
    Else  
        MsgBox "You chose FALSE"  
    End If  
End Sub
```

...

Example 5: Using Formula Input

```
Sub AppInputBoxFormula()  
    Dim myFormula As String  
    myFormula = Application.InputBox("Enter an Excel formula (e.g.  
=SUM(A1:A5)):", _  
                                     "Formula Input", , , , , 0)  
  
    Range("B1").Value = myFormula  
    MsgBox "Formula entered in B1: " & myFormula  
End Sub
```

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End of Notes
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