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VBA MSGBOX FUNCTION - STUDY NOTES

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## 1. WHAT IS A MSGBOX?

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- Definition: A built-in dialog box used to interact with the user.
- Purpose:
  - a) Display information or status updates.
  - b) Warn users before critical actions.
  - c) Get input choices (e.g., Yes/No/Cancel).
- capabilities: Can display custom text, specific icons (Info, Warning), and various button configurations.

## 2. BASIC SYNTAX

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Format: MsgBox(prompt, [buttons], [title])

- Prompt (Required): The message text to display.
- Buttons (Optional): Defines buttons (Yes/No) and icons. Defaults to OK.
- Title (Optional): The text in the top title bar.

## 3. CODE EXAMPLES

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Example 1: Simple Message Box  
(Displays a basic message with an OK button)

```
Sub MsgBoxSimple()
    MsgBox "Hello Akshay, Welcome to VBA!"
End Sub
```

...

Example 2: Message Box with Title & Icon  
(Adds a Title Bar text and a Question Mark icon)

```
Sub MsgBoxWithTitle()
    ' vbQuestion adds the '?' icon
    MsgBox "This is MsgBox Output", vbQuestion, "Display Msg"
End Sub
```

...

Example 3: Handling User Input (Yes/No)  
(Captures user choice using 'If/Else')

```
Sub MsgBoxYesNo()
    Dim response As VbMsgBoxResult

    response = MsgBox("Do you want to continue?", vbYesNo + vbQuestion, "Confirm Action")

    If response = vbYes Then
        MsgBox "You selected YES", vbInformation
    Else
        MsgBox "You selected NO", vbExclamation
    End If
End Sub
```

...

Example 4: Multiple Actions (Select Case)  
(Handles Yes, No, and Cancel scenarios)

```
Sub MsgBoxYesNoCancel()
    Dim response As VbMsgBoxResult

    ' vbYesNoCancel shows 3 buttons; vbExclamation adds yellow triangle
    response = MsgBox("Do you want to Save Changes?", vbYesNoCancel +
vbExclamation, "Save File")

    Select Case response
        Case vbYes
            MsgBox "File Saved!", vbInformation
        Case vbNo
            MsgBox "Changes Discarded!", vbCritical
        Case vbCancel
            MsgBox "Operation Cancelled!", vbExclamation
    End Select
End Sub
```

...

Example 5: Critical Warning  
(Used for high-danger alerts like deleting files)

```
Sub MsgBoxWarning()
    MsgBox "This will delete all records. Proceed with caution!", vbCritical,
"Danger!"
End Sub
```

#### 4. QUICK REFERENCE CONSTANTS

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##### [Button Styles]

- vbOKOnly: OK button only (Default)
- vbYesNo: Yes and No buttons
- vbYesNoCancel: Yes, No, and Cancel buttons

##### [Icon Styles]

- vbCritical: Red 'X' icon (Critical Error)
- vbQuestion: Question Mark icon (Query)
- vbExclamation: Yellow Triangle icon (Warning)
- vbInformation: Blue 'i' icon (Info)

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End of Notes  
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