



ExcelPrince (A school of Business Analytics)

What is Macro?

- i. VBA Editor, Project Explorer, Code Pane, and Properties Window
 - ii. The Object Browser
 - iii. Assign Macro
2. Recording Macro
 - i. How to record Macro
 - ii. Shortcut keys
 - iii. Limitations of Recording
 - iv. How to Optimize Recorded Macro
3. Recording Macro R1C1 Style
 - i. Convert R1C1 Style into general
4. What is Variable?
 - i. Type
 - ii. Scope
 - iii. Assign
 - iv. Value transfer
 - v. Declaration (Implicit / Explicit)
 - vi. Local, Static, Global
5. Object Model
 - i. Hierarchy
 - ii. Property/Event/Method
6. Difference Between Subroutine and Function with example
7. Worksheet Concept
 - i. Different way to refer the Sheet (By Name, By Index)
 - ii. Visibility
 - iii. Renaming
 - iv. Deletion (Single/Multiple)
 - v. Insertion (Single/Multiple)
 - vi. Referring multiple sheets
 - vii. Copy
 - viii. Moving
8. Workbook and Windows Concept
 - i. Opening
 - ii. Activation
 - iii. State (Minimize/Maximize/Resize)
 - iv. Active window
 - v. Not Operator
9. Refer Cell, Range, Columns, Row
 - i. Consecutive Range
 - ii. Split range
 - iii. Column Selection (Single/Multiple)
 - iv. Row Selection (Single/Multiple)
 - v. Difference between Cell and Range
10. With Statement
11. Current Region and Used Range concept
12. Special Cells
 - i. Comments
 - ii. Formula
 - iii. Visible
 - iv. Constant
 - v. Last Row
 - vi. Blank

13. Filter Data
 - i. Single Criteria
 - ii. Multiple Criteria
 - iii. AND operator
 - iv. OR Operator
 - v. Like Operator
 - vi. Top item
 - vii. Bottom item
14. IF Statement
 - i. Simple if
 - ii. If and Else
 - iii. Sorting example
 - iv. MsgBox
 - v. If else with MsgBox integration
 - vi. Multiple Elseif
 - vii. Nested if
15. String and Conversion Functions
 - i. Concatenation
 - ii. Split
 - iii. Ucase
 - iv. Lcase
 - v. Instr
 - vi. Validation
 - vii. Len
 - viii. Cint
 - ix. Val
16. Offset Statement
 - i. Current region
 - ii. Resize Range
 - iii. Set
17. While Loop
 - i. With Conditions
 - ii. Play with variable
 - iii. Inputbox
 - iv. Increment Decrement
 - v. Is Empty
18. For Loop (More than 10 Example)
19. Nested For Loop (Multiple Example)
20. Nested For Loop (Pyramid creation) – Multiple Example
21. For Each loop (More than 15 Practical Examples)
22. Nested For Each Loop
23. Function Procedure (More than 15 example)
 - i. Function through looping (for and For each)
 - ii. Inbuilt Function (Multiple Examples)
24. Event Handling
 - i. Intersection
25. Select Case Statement
 - i. Difference between if and select case
 - ii. Select case with Function Procedure
 - iii. Calling Procedure
26. Charts Concept

Advance Topic

27. Array
 - i. Option Base
 - ii. Fixed Size
 - iii. One Dimensional
 - iv. Dynamic array
 - v. LBound, UBound
 - vi. Redim
 - vii. Two Dimensional
28. Error Handling Techniques

- i. Error Type
 - ii. On Error Resume Next
 - iii. On Error Goto Label
 - iv. On Error Resume Again
 - v. On Error Goto 0
- 29. Calling Function in a Procedure
 - i. Through File Handling Example
 - ii. Through Function Procedure
- 30. Connectivity with MS Access
 - i. Database Connectivity
 - ii. Early Binding
 - iii. Late Binding
 - iv. Reference Library
 - v. ADODB
 - vi. Recordset
 - vii. Connection Testing
 - viii. Connection String
 - ix. Run SQL Query through VBA
 - x. Import data from MS Access or SQL Server
- 31. Connectivity with PowerPoint
 - i. New Instance Creation
 - ii. Initialization application
 - iii. Slide
 - iv. Layout Slide
 - v. Textframe
 - vi. Add Multiple Slides
 - vii. Copy data from Excel and paste in PowerPoint
 - viii. Copy Chart from Excel and paste in PowerPoint Slides
 - ix. Positioning
 - x. Size
- 32. Connectivity with MS Word
- 33. Web scrapping
 - i. Website Navigation
 - ii. How to Inspect Element and their respective values
 - iii. Innertext; Outertext ; ReadyState ; Doevents
 - iv. Pull up the Data from Website
 - v. Pull up values from multiple Webpages
 - vi. Extract the Data by id
 - vii. Extract multiple value by Class and through multiple Webpages
 - viii. Extract Hyperlinks from website by Anchor Tag
- 34. Connectivity with Outlook
 - i. Invoke Outlook
 - ii. Mail Item; Subject; To; CC; BCC etc.
 - iii. Send Basic Email through VBA-Macro
 - iv. Send Mail to multiple recipient
 - v. Add Attachment
 - vi. Add Body Information
 - vii. Insert HTML Tag in Outlook Mail
 - viii. Send Mail to multiple recipient along with Excel data in range (Array)
- 35. Userform
 - i. Label
 - ii. Combobox
 - iii. Listbox
 - iv. OptionButton
 - v. Checkbox
 - vi. Image
 - vii. Frame
 - viii. ToggleButton
 - ix. Scrollbar
 - x. SpinBar
 - xi. Property Window
 - xii. How to handle Event (On File opening; Click, DoubleClick; Initialization; Activate; before Entry; before Exit etc.)

- xiii. Validate User input (Multiple Examples)
 - xiv. Form as per Application Size (Hiding Excel)
 - xv. Disable Application Visibility
36. Deal with PDF
- i. Export data into PDF
37. Project Work
- i. How to automate a report
 - ii. File handling