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============================================================
VBA CODE – PART 1
Getting Started in the VB Editor
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' Topic: Access Visual Basic Editor
' (No code needed – just a shortcut reminder)
' In Excel:
'   Press Alt + F11 to open / close the VB Editor

'--------------------------------------------
' Topic: Switching between Application & VB Editor
'--------------------------------------------
' Use Alt + F11 to switch between Excel and VB Editor
' You can also use Alt + Tab to switch windows

Sub ShowSwitchInfo()
   MsgBox "Press Alt + F11 to switch between Excel and VB Editor."
End Sub



'--------------------------------------------
' Topic: The VB Editor Windows (simple demo)
'--------------------------------------------
' This code just shows a welcome message.
' You will type it in a standard module.

Sub HelloVBA()
   MsgBox "Welcome to the Visual Basic Editor!"
End Sub
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' VBA CODE – PART 2

' Modules, Creating/Removing, Switching, Renaming

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' Topic: Modules – simple examples

'--------------------------------------------

' A module is a place where you store your VBA code.

' The following procedures can be placed in a standard module.


Sub MyFirstMacro()

   MsgBox "This is my first macro inside a Module."

End Sub


Sub SimpleGreeting()

   Dim userName As String

   userName = "Student"

   MsgBox "Hello, " & userName & "! Keep learning VBA."

End Sub


Sub SimpleMath()

   Dim a As Integer

   Dim b As Integer

   Dim result As Integer


   a = 5

   b = 7

   result = a + b
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    MsgBox "5 + 7 = " & result
End Sub



'--------------------------------------------
' Topic: Creating a Module (explained by comments)
'--------------------------------------------
' Steps (no code required to create the module):
' 1. Open VB Editor (Alt + F11).
' 2. In Project Explorer, right-click on your workbook.
' 3. Click Insert -> Module.
' 4. A new Module (Module1, Module2, etc.) will appear.

' This procedure is an example of code
' that you can type in a NEW module.

Sub CodeInNewModule()
    MsgBox "This code is written in a new Module."
End Sub



'--------------------------------------------
' Topic: Removing a Module (explained by comments)
'--------------------------------------------
' Steps (done by mouse, not by code):
' 1. In Project Explorer, right-click the Module you want to delete.
' 2. Click Remove ModuleName.
' 3. If asked to export, click No (or Yes if you want a backup).
' The module and all code in it will be removed.

' This macro is just a reminder message.
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Sub BeforeDeletingModule()
    MsgBox "Be careful! Removing a Module deletes all code in it."
End Sub



'--------------------------------------------
' Topic: Switching Between Modules (concept demo)
'--------------------------------------------
' Imagine you have:
'   Module1 with this procedure:
'   Module2 with another procedure.
' You switch by clicking different modules in Project Explorer.

Sub Module1Message()
    MsgBox "You are running code that could be in Module1."
End Sub

Sub Module2Message()
    MsgBox "You are running code that could be in Module2."
End Sub



'--------------------------------------------
' Topic: Renaming Modules (explained by comments)
'--------------------------------------------
' Steps to rename a module:
' 1. Click the Module in Project Explorer.
' 2. Press F4 to show Properties Window (if not visible).
' 3. In the Name box, type a new name (no spaces).
'    Example: Change Module1 to BasicCode.
' Example procedures that might live in a module
' renamed to “BasicOperations”.

Sub AddTwoNumbers()
   MsgBox "2 + 3 = " & (2 + 3)
End Sub

Sub SubtractTwoNumbers()
   MsgBox "10 - 4 = " & (10 - 4)
End Sub


'=======================================================
' How to run any of these macros:
' 1. Place the cursor anywhere inside a Sub.
' 2. Press F5, OR
' 3. In Excel: Developer -> Macros -> select name -> Run.
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