**Excel Assignment - 18**

**1. What are comments and what is the importance if commenting in any code?**

A VBA COMMENT is a green line of text that helps you to describe the written code. In simple words, a comment is a line of text which is not a code and VBA ignores it while executing the code.

**2. What is Call Statement and when do you use this statement?**

The CALL statement transfers control from one object program to another within the run unit. The Call statement is used to transfer control to a Sub procedure, an intrinsic function, and a dynamic-link library (DLL) procedure.

**3. How do you compile a code in VBA? What are some of the problems that you might face when you don’t compile a code?**

We can compile our VBA code by clicking Debug Menu → Compile VBA Project. A compile error for a missing “End if” part of an IF statement. Every individual line in the code is correct, but together, they don't represent a complete IF statement. highlights the syntax error as soon as the line is incorrect and you hit enter.

**4. What are hot keys in VBA? How can you create your own hot keys?**

1. Click Developer > Macros to open the Macro dialog box.
2. In the Macro dialog box, select the macro name you will assign hotkey, and then click the Options button.
3. In the Macro Options dialog box, specify a shortcut key in the Shortcut key box, and then click the OK button.

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| --- | --- |
| Jump between Excel and the VB Editor Window | Alt+F11 |
| Run Macro/Procedure | F5 |
| Step Through Each Line of Code | F8 |
| Run to Cursor | Ctrl+F8 |  |

**5. Create a macro and shortcut key to find the square root of the following numbers 665, 89, 72, 86, 48, 32, 569, 7521**

1) Firstly, go to the Developer tab from Ribbon.

2) Following that, click on the Visual Basic option from the Code group.

(Keyboard shortcut ALT + F11 to directly open the Microsoft Visual Basic window from your worksheet.)

3) Now, go to the Insert tab in the Microsoft Visual Basic window.

4) Then, select the Module option from the drop-down.

Sub square\_root\_of\_given\_number()

Dim given\_number As Integer

Dim square\_root As Double

given\_number = 64

square\_root = Sqr(given\_number)

MsgBox square\_root

End Sub

5) writing the code, click on the Save icon

6) click on the Run option.

**6. What are the shortcut keys used to**

a. Run the code: Alt + F8

b. Step into the code: Cmd + Shift + I

c. Step out of code: Ctrl+Shift+F8.

d. Reset the code: Alt+R+R