

**Excel Assignment - 18**

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

Ans: Comments are helpful for documenting code, providing explanations, and improving code readability.

It is very useful to understand the code for developer and if the code need to update or edit then comments helps to understand the program complexity.

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

Ans: call statement is a programming construct used to invoke or execute a function or subroutine. It is used to transfer control from one part of a program to another.

Uses : > Code modularization > Passing and returning values > Recursion

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

Ans: VBA code is typically compiled automatically when you run or execute the program.

Problem are like > Syntax Errors > Compile Error > Performance Optimization

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

Ans: Hot keys in VBA called keyboard shortcuts which that perform a specific action.

Open the VBA editor > Select the appropriate module or worksheet > write a code > Define the Key > save and run the code

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

Ans: Open VBA Editor > Insert a New Module > Insert a module code

Sub SquareRootMacro()

Dim numbers() As Variant

numbers = Array(665, 89, 72, 86, 48, 32, 569, 7521)

Dim i As Integer

For i = LBound(numbers) To UBound(numbers)

numbers(i) = Sqr(numbers(i))

Next i

MsgBox "Square roots calculated successfully!"

End Sub

>Save the macro > close the VBA Editor

To assign shortcut key Go to developer button click on that then macro SquarRootMacro click on that then option button then assigned a short cut key Ctrl+Shift+R click OK

Select any cell where you want the square roots to be displayed.

Press the shortcut key you assigned then Answer will display



6.

What are the shortcut keys used to

a.

Run the code

b.

Step into the code

c.

Step out of code

d.

Reset the code

Ans: a F5

B: F8

C Ctrl + Shift + F8

D Alt + r