Excel Assignment - 18

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

Comments are **text notes added to the program to provide explanatory information about the source code**. They are used in a programming language to document the program and remind programmers of what tricky things they just did with the code and also helps the later generation for understanding and maintenance of 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 program containing the CALL statement is the calling program; the program identified in the CALL statement is the called subprogram.

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?

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.

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

A hot key is a key or a combination of keys on a computer keyboard that, when pressed at one time, **performs a task (such as starting an application) more quickly than by using a mouse or other input device**. Hot keys are sometimes called shortcut keys. Hot keys are supported by many operating system and applications.

**On the Developer tab, in the Code group, click Macros.** In the Macro dialog box, click Options. The Macro Options dialog box will appear. In the Shortcut key box, type any uppercase or lowercase letter that you want to use for the shortcut, and then click OK to save the changes.

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

In VBA, we have a built-in function called “SQR.” This function returns the square root for the given number provided in the input. The Square Root function requires only one argument for its function: Number.

**Manual method**

=SQRT(665) is the formula used to create shortcut for square root

**Shortcut method**

**Hold the ALT key and then press the number keys 2,5, and 1 on the numeric keypad**. Now when you leave the keys, the square root symbol will be inserted.

6. What are the shortcut keys used to

a. Run the code **Windows + R**

b. Step into the code ( **Alt+Shift+F7** )

c. Step out of code **SHIFT+F11**

d. Reset the code **Alt+F4**