Advance Excel Assignment 18

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

Commenting involves placing Human Readable Descriptions inside of computer programs detailing what the Code is doing. Proper use of commenting can make code maintenance much easier, as well as helping make finding bugs faster. Further, commenting is very important when writing functions that other people will use.

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. You are not required to use the Call keyword when calling a procedure. However, if you use the Call keyword to call a procedure that requires arguments, argument list must be enclosed in parentheses. If you omit the Call keyword, you also must omit the parentheses around argument list. If you use either Call syntax to call any intrinsic or user-defined function, the function's return value is discarded.

To pass a whole array to a procedure, use the array name followed by empty parentheses.

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?

You can compile your 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. To make things easier, we've categorized the types of coding errors into three groups. For each group, we'll explore some examples, and then discuss how you might investigate and resolve them.

1. **Syntax errors** – A specific line of code is not written correctly

2. **Compile errors** – Issues that happen when putting together lines of code, though the individual lines of code seem to make sense

3. **Runtime errors** – When the code is usually correct in principle, but an action taken by the user or the data being used leads to unexpected errors.

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

Creating a keyboard shortcut by customizing the Quick Access Toolbar

1. Click the File tab in the Ribbon and then click on Options.

2. Click the Quick Access Toolbar category on the left.

3. From the drop-down menu under Choose commands from, select All Commands.

4. Click the button you want to add.

5. Click Add.

5. What are the shortcut keys used to

a. Run the code

F5

b. Step into the code

F8

c. Step out of code

Ctrl+Shift+F8

d. Reset the code

Alt, R, R