Excel Assignment - 18

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

A comment is basically a text note that gives an explanation about the source code.

Importance:

1. Code readability: one of the most important benefits of including comment in your code is that it makes it more readable
2. Code maintenance: it is easier to maintain. By explaining why code was written in a certain way or how it solves a particular problem.
3. Simplifying debugging: comments play a vital role in debugging phase of software development.
4. Code reusability: comments make it easier to reuse code in future project. By clearing describing the functionality provided by an object or method, you can reduce the time it takes to integrate that code into new project
5. What is Call Statement and when do you use this statement?

A call statement transfer control from one object program to another within the run unit. The program containing the call statement is calling program the program identified in the call statement is called subprogram. It is used to transfer control to a sub procedure, an intrinsic function, and a dynamic- link library procedure.

1. 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?

You can compile your VBA code by clicking debug menu then compile VBA project.

Problems:

1. Syntax error: a specific line of code is note written correctly
2. Compile error: issues that happen when putting together lines of code, though the individual lines of code seem to make sense.
3. Runtime error: 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?

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| --- | --- |
| Hot key | Use |
| Alt+F11 | Jump between excel and VB editor window |
| F5 | Run macro/procedure |
| F8 | Step through each line of code |
| Ctrl+F8 | Run to cursor |

Steps to create own hot key:

1. Go to file>option>customize ribbon
2. At the bottom of the **Customize the Ribbon and keyboard shortcuts** pane, select **Customize**.
3. In the **Save changes in** box, select the current document name or template that you want to save the keyboard shortcut changes in.
4. In the **Categories** box, select the category that contains the command or other item that you want to assign a keyboard shortcut to or remove a keyboard shortcut from.
5. In the **Commands** box, select the name of the command or other item that you want to assign a keyboard shortcut to or remove a keyboard shortcut from.Any keyboard shortcuts that are currently assigned to that command or other item appear in the **Current keys** box, or below the box with the label **Currently assigned to**.
6. Create a macro and shortcut key to find the square root of the following numbers 665, 89, 72, 86, 48, 32, 569, 7521
7. What are the shortcut keys used to

a. Run the code: F5, CTRL+F5, SHIFT+F5

b. Step into the code:F8

c. Step out of code:CTRI+ SHIFT+F8

d. Reset the code: