

# EXCEL ASSIGNMENT 18

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1. What are comments and what is the importance of 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. It is a good practice (I would say one of the best) to add comments in your VBA codes.

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

The call statement specifies optional parameters that call another application. This call blocks all frames in the OpenROAD application until the user exits from the called subsystem. When the user exits from the subsystem, the application resumes execution with the statement following the call statement.

If you issue the call statement in a transaction, the statement commits the transaction without a warning message before invoking the subsystem. To ensure data integrity, if a transaction is open, terminate it before issuing the call statement.

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?

To compile a VBA follow the following steps:

- Open your MS Access database



- Press **CTRL+G** (or **ATL+F11**) to enter the VBE (Visual Basic Editor)
- On the Standard Toolbar, Goto **Debug -> Compile YourDatabaseName**



- Below is an example of one type of error that can be flagged (missing variable declaration within an Option Explicit module)



- So once you successfully address all the flagged errors, the compilation should complete with reporting any more errors, thus your VBA code is clean and you can continue to distribute your App.

We should compile VBA because it reviews our code to ensure it 'sanitary/clean' code. This means it checks that all the required input variables are present, it validates that all required variable declaration are present.

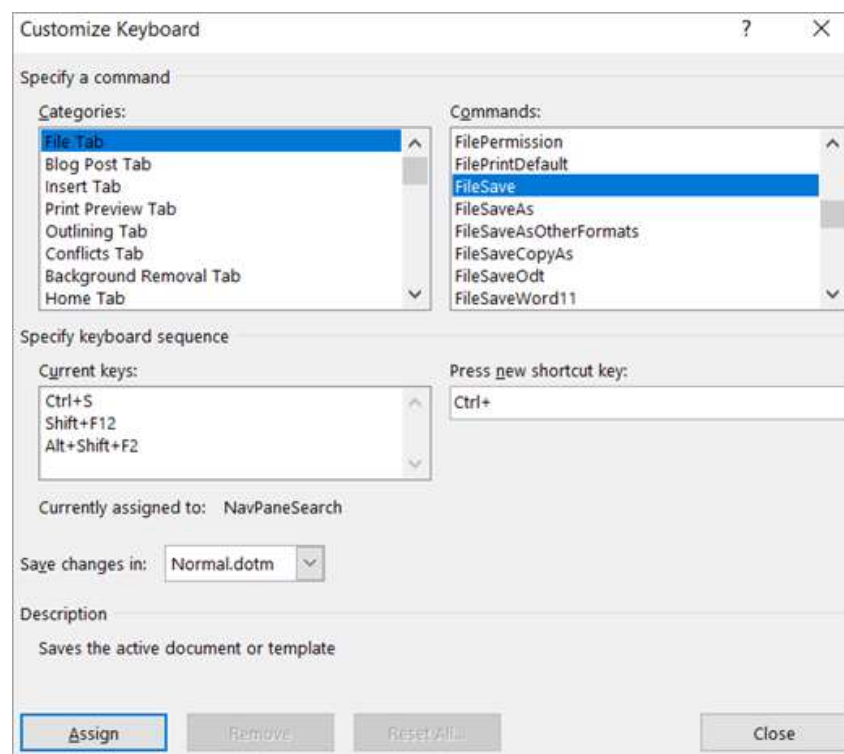
4. What are hot keys in VBA? How can you create your own hot keys?

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.

To assign a keyboard shortcut do the following:

Begin keyboard shortcuts with CTRL or a function key.

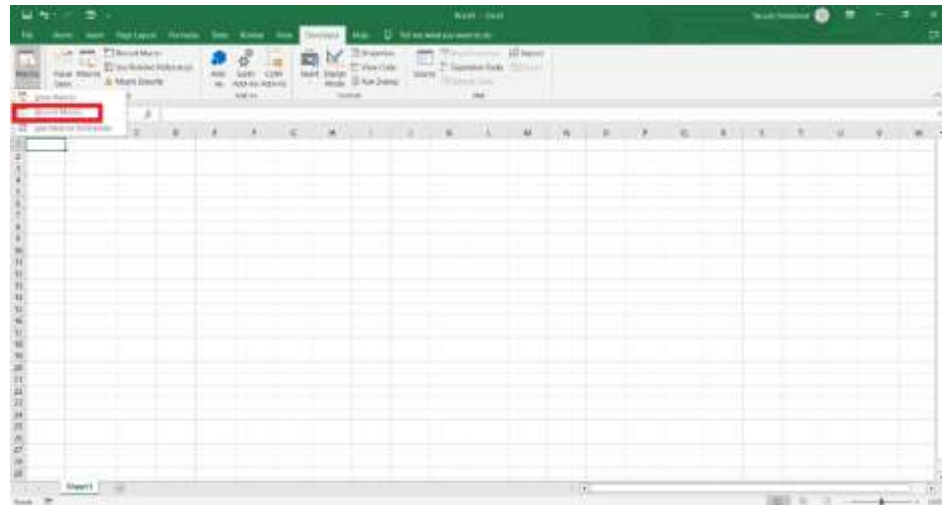
- In the **Press new shortcut key** box, press the combination of keys that you want to assign. For example, press CTRL plus the key that you want to use.
- Look at **Current keys** (or **Currently assigned to**) to see whether the combination of keys is already assigned to a command or other item. If the combination is already assigned, type a different combination.



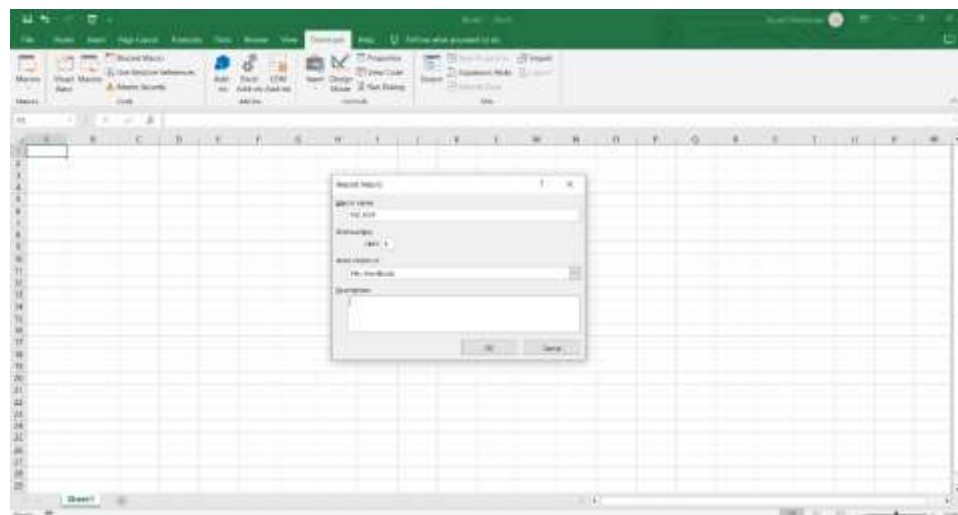
- Select assign
5. Create a macro and shortcut key to find the square root of the following numbers 665, 89, 72, 86, 48, 32, 569, 7521

To create a macro:

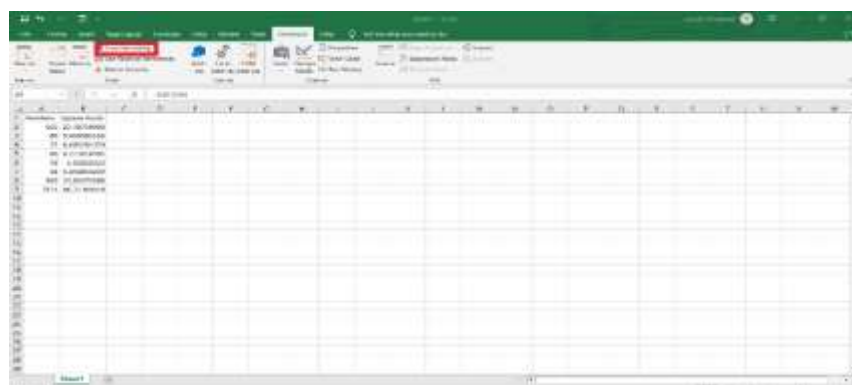
- From developer's tab select record macro



- In the record macro dialog box, give macro name and shortcut key and click OK.



- Enter all the data in the cells and click stop recording.



6. What are the shortcut keys used to

- Run the code: F5
- Step into the code: F11
- Step out of code: Shift+F11
- Reset the code: Alt,R,R