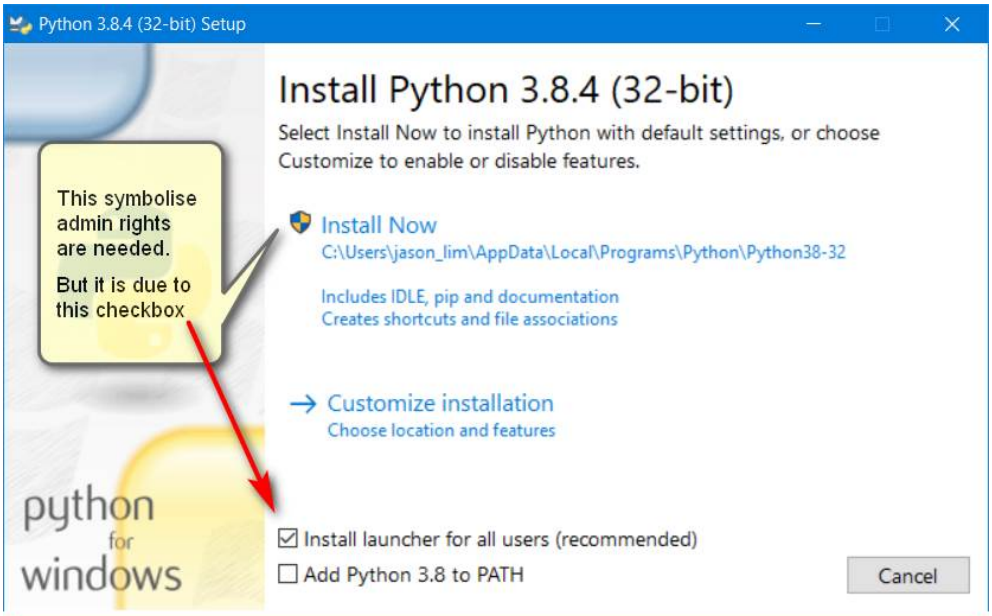
Installation of Python software

a. Download the file "**Python-3.8.4.exe**" file from https://www.python.org/ftp/python/3.8.4/python-3.8.4.exe

Note: Any python installation that is version 3 can be used for this course.

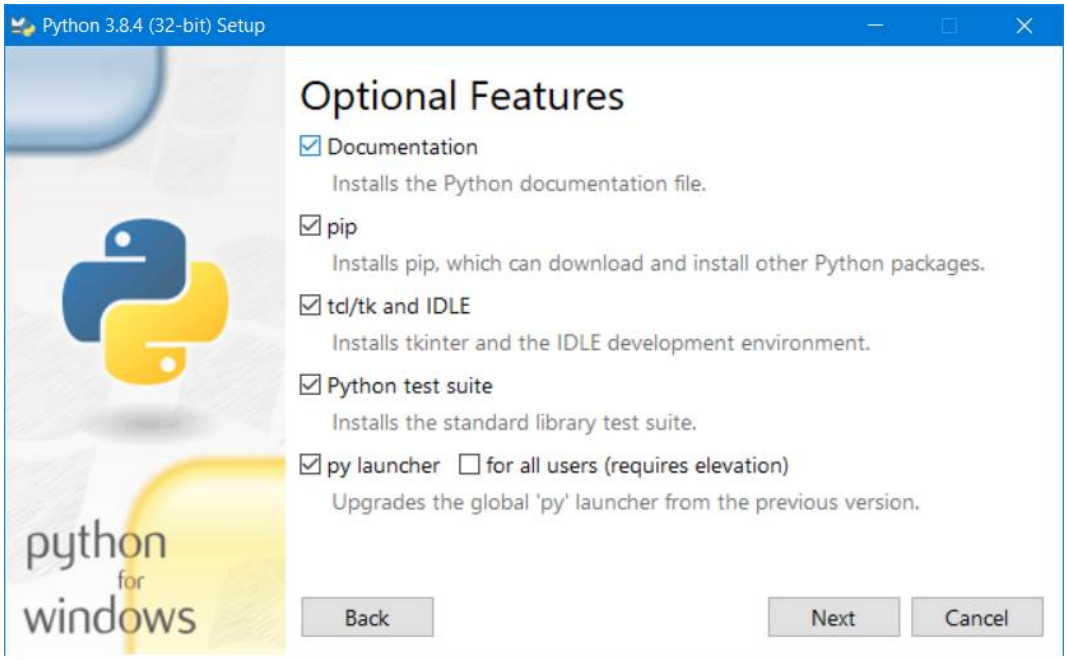


By default, it is trying to allow all users, thus needing Admin rights

b. At the "Python 3.8.4 Setup" window, Click at "**Customize Installation**"

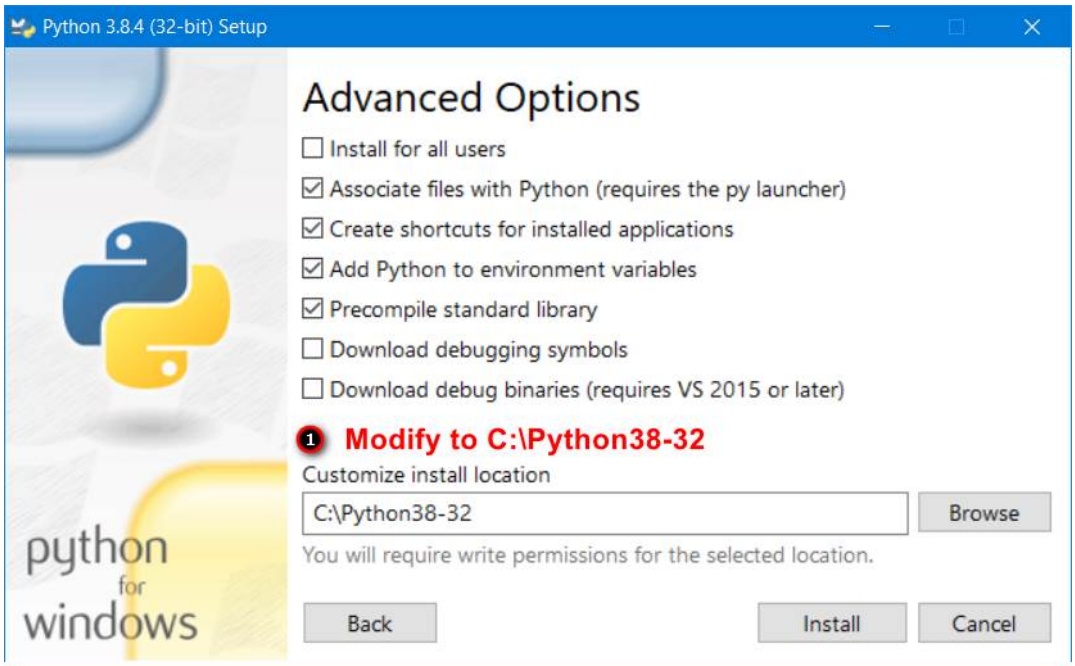
We'll customised the installation

c. Accept the default and click "**Next**".



We'll go with the default settings

d. Under Customize install location, choose **C:\python38** and click "Install".



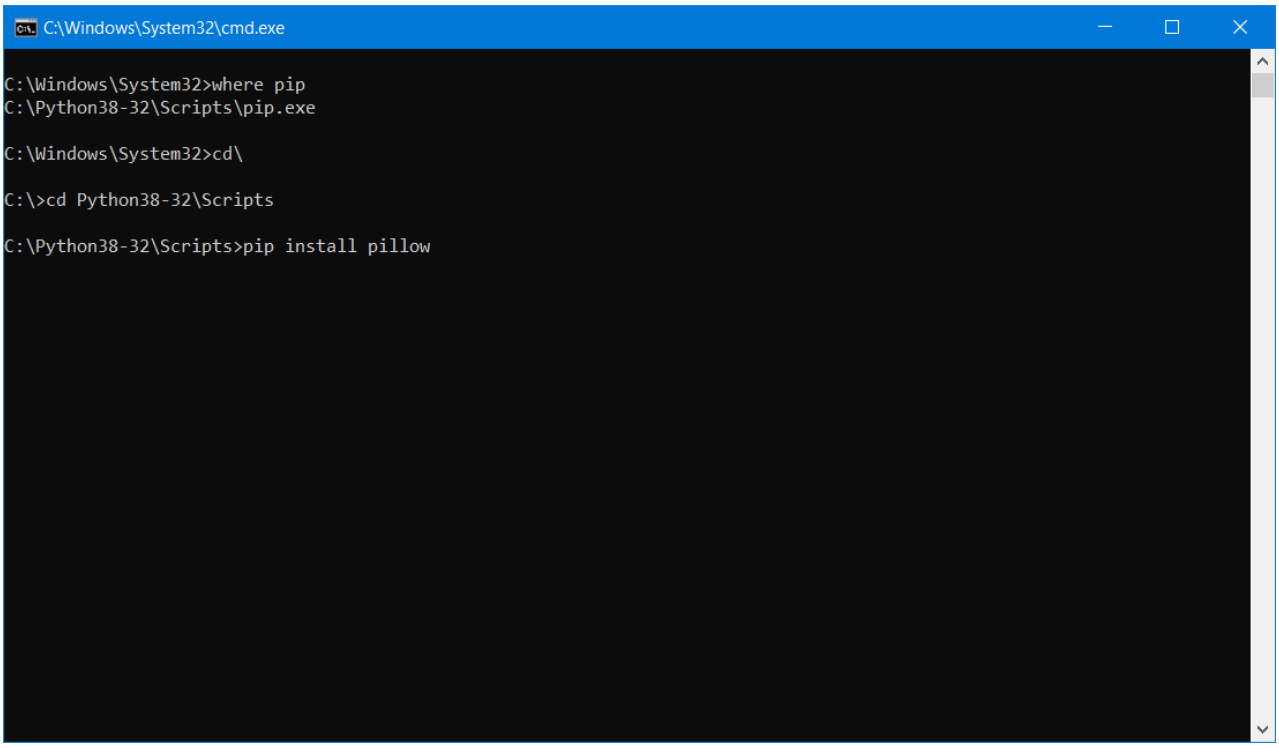
Recommended to place it in an easy-to-access location

e. When the Python 3.8.4 is successfully installed. Click "Close".

Testing pip install

a) Pip install is required for installing additional packages to enhance the python software. The instruction given below is to test that you are able to execute the command without issue.

b) Open a command prompt,
   i. Type **where pip**
   ii. Take note of the folder that pip.exe is located (C:\Python38-32\Scripts in the example below)
   iii. Type **cd C:\Python38-32\Scripts** (change according to where pip.exe is located on your system)
   iv. type the following command: **pip install pillow**



   v. If you do not see any error message, it means that you have no issue installing additional python packages.

Installing of Wing Personal Python IDE

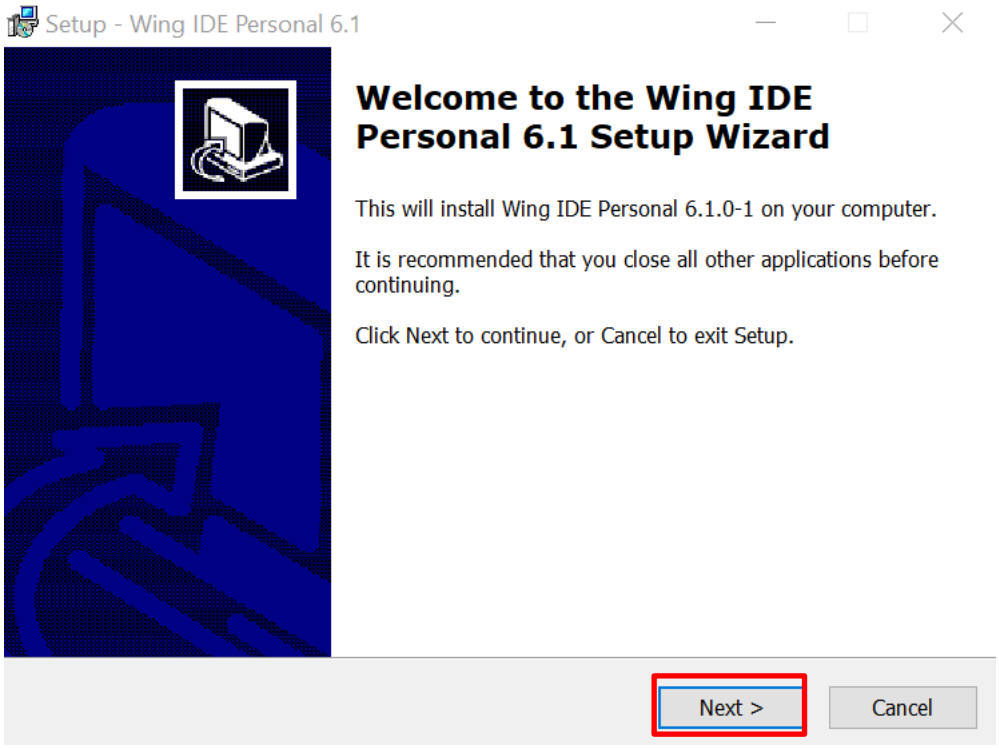
c) Download the file **"wing-personal-7.2.3.0.exe"** from https://wingware.com/pub/wing-personal/7.2.3.0/wing-personal-7.2.3.0.exe

i. At the website Click on **"Windows Installer"**, depending on your browser setting, you may see a "Save As" window appearing. Click SAVE button. (*NOTE: For **Mac OS**, please download the file for "**OS X**" on the same web page and Click OS X Installer*

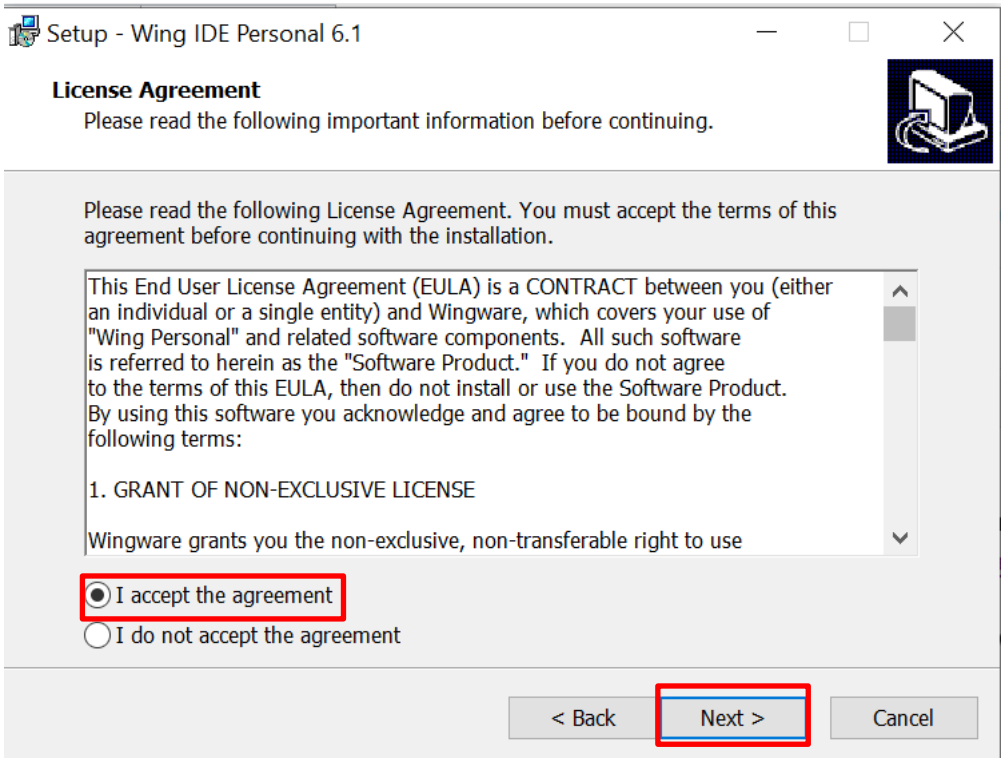
)

d) Locate the downloaded "**wing-personal-7.2.3.0.exe**" file. Double click to start the installation. At the "User Account Control" window, click "Yes". **Follow the default settings** to install the IDE on your notebook.

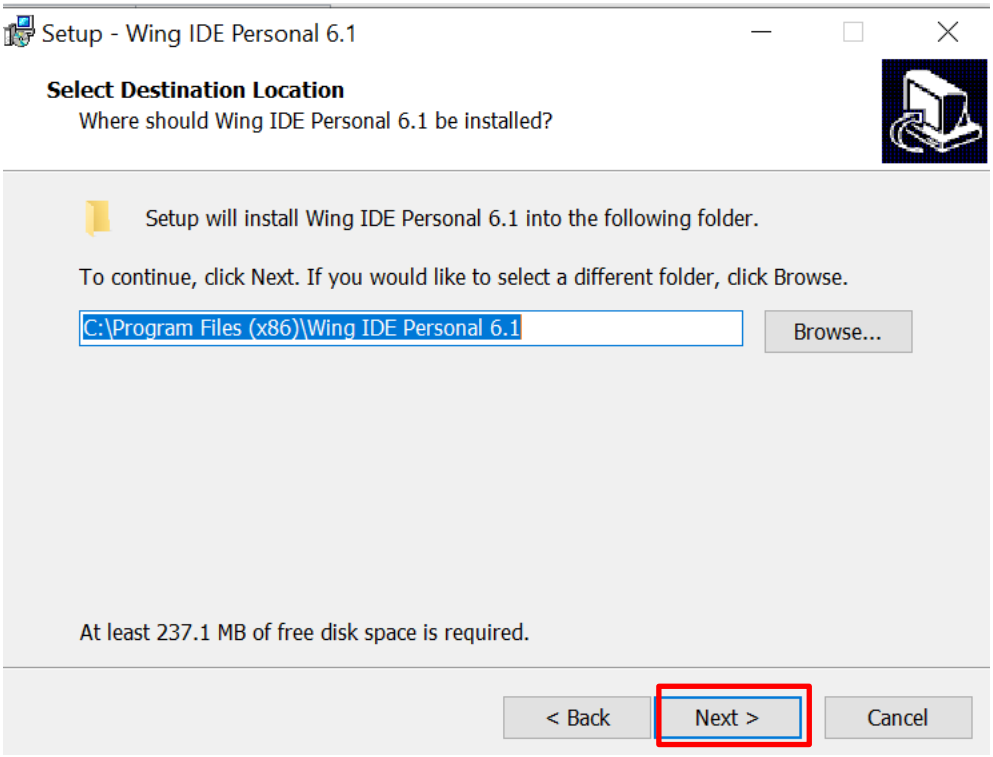
Screenshots below are for an older version of Wing IDE, but the steps are the same.



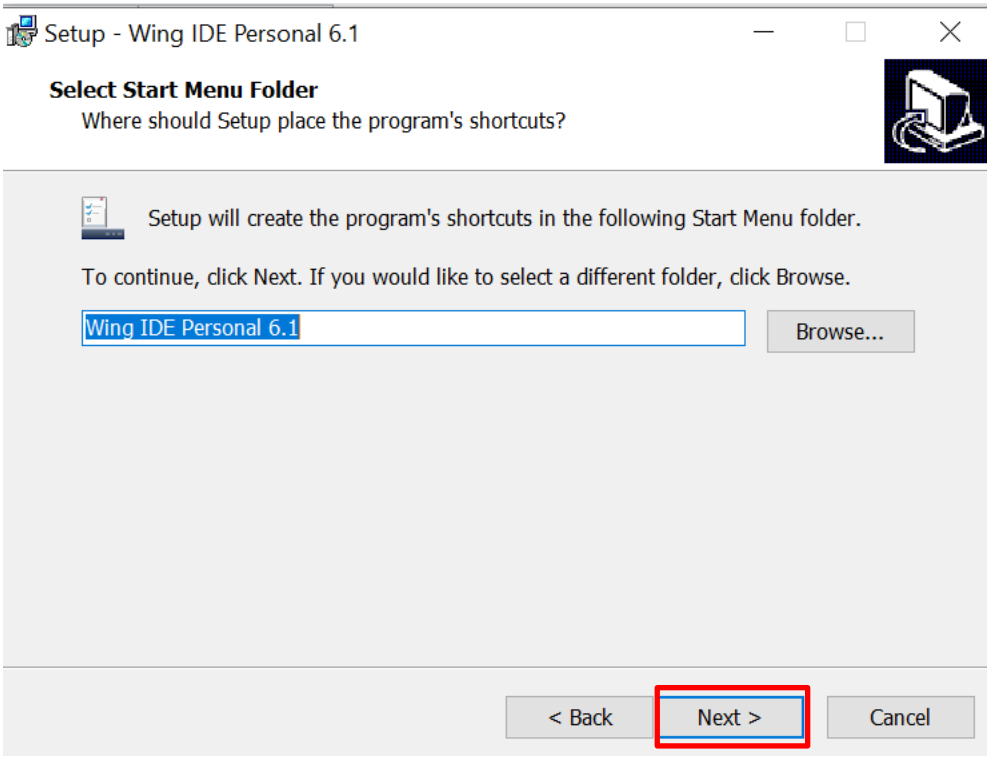
Click NEXT



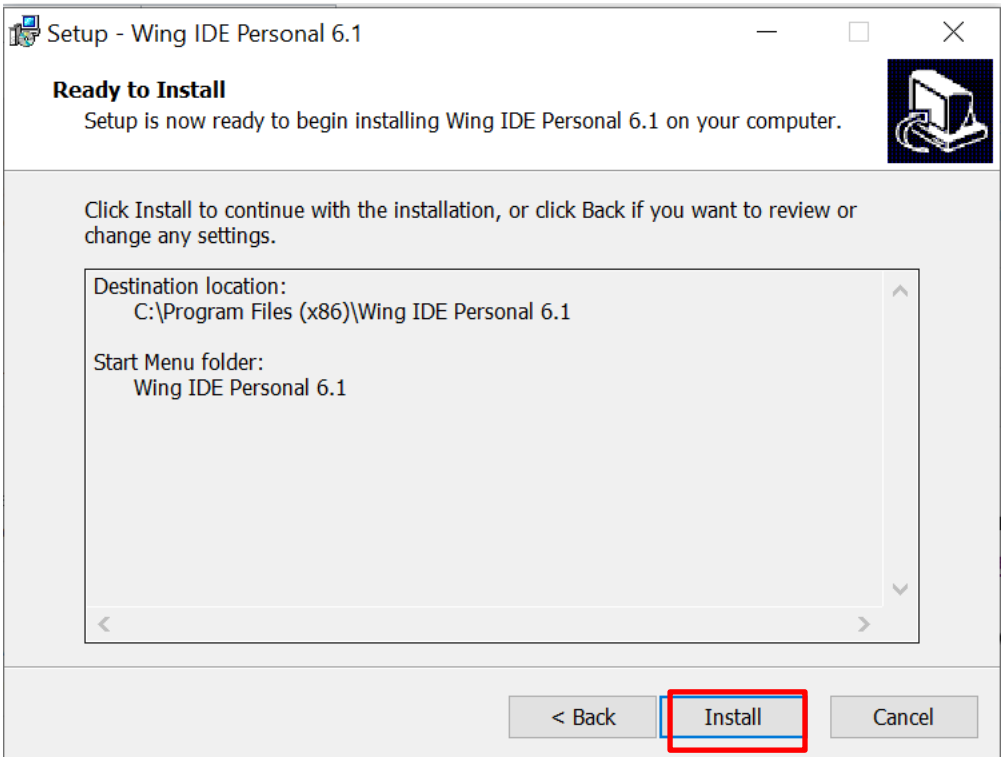
Click on “I accept…” radio button, then click NEXT button.



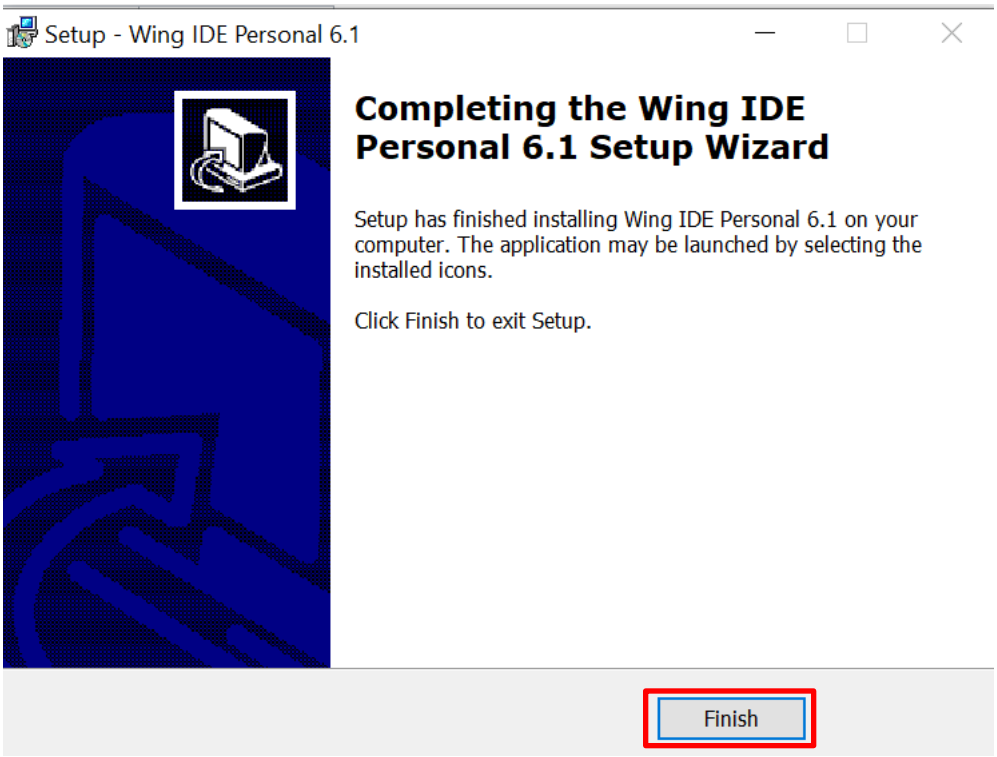
Do not change the folder. Click NEXT.



Click NEXT



Click INSTALL. The installation will start. Wait patiently for the installation to complete.

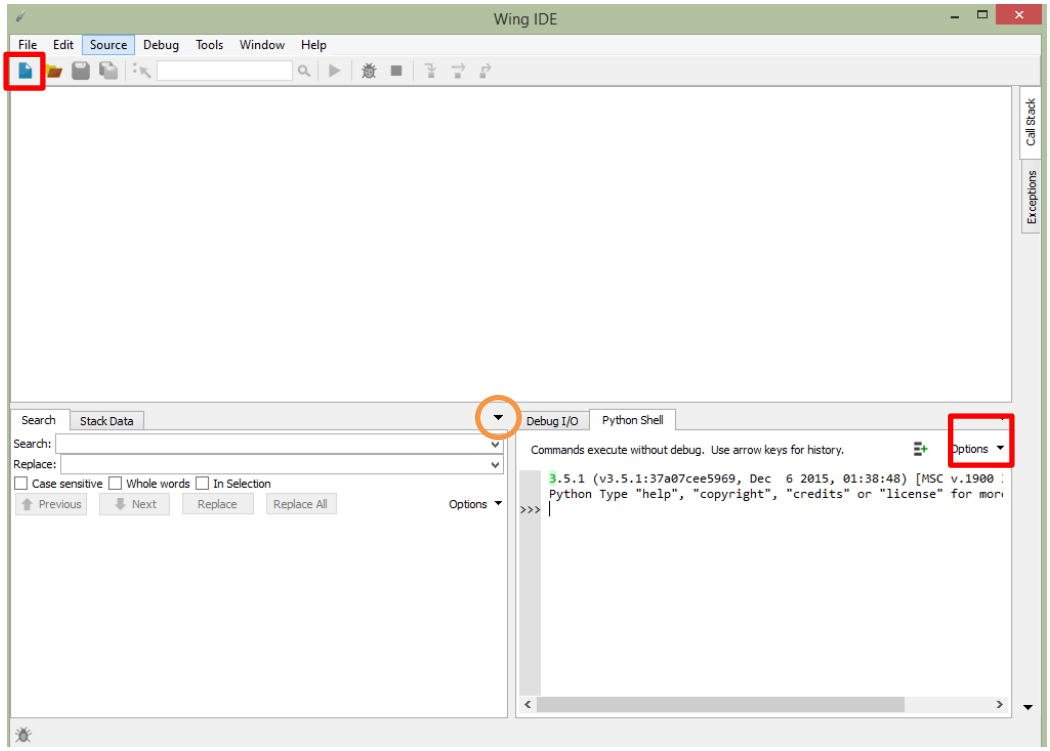


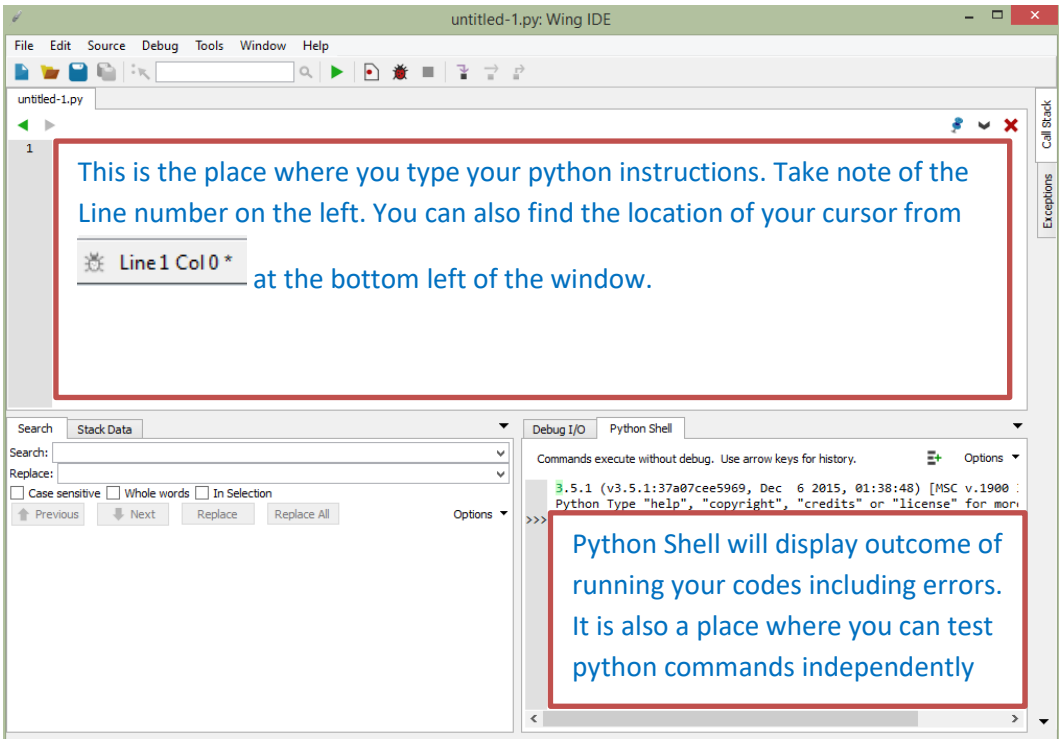
Click FINISH.

Using Wing Personal Python IDE

a) To Launch the Wing IDE Personal 7.2, Click at Windows Start button in bottom left of your computer. Search for the program by typing “Wing IDE 101” (Partial entry may work). Click on the program “**Wing IDE Personal 7.2.3**” in the results list.

b) At the Wing IDE application window, click “Create New File” Icon or Select Menu option “FILE > NEW” to add a new Python Code File (you will see a new tab “untitled-1.py” created for the new file). To manage the Tool box windows at the bottom, you can click at the icon and a menu will appear to choose the settings you wanted. For each of the tool box windows (represented by the tabs), you can click the Options button for more actions applicable for that particular tool box.




untitled-1.py: Wing IDE
File Edit Source Debug Tools Window Help
untitled-1.py
1
This is the place where you type your python instructions. Take note of the Line number on the left. You can also find the location of your cursor from
Line 1 Col 0 *
at the bottom left of the window.
Call Stack
Exceptions
Search
Stack Data
Search:
Replace:
Case sensitive
Whole words
In Selection
Previous
Next
Replace
Replace All
Options
Debug I/O
Python Shell
Commands execute without debug. Use arrow keys for history.
Options
3.5.1 (v3.5.1:37a07cee5969, Dec 6 2015, 01:38:48) [MSC v.1900
Python Type "help", "copyright", "credits" or "license" for mor
>>>
Python Shell will display outcome of running your codes including errors. It is also a place where you can test python commands independently