Please Read the Instructions Before Proceeding to Code/Application.
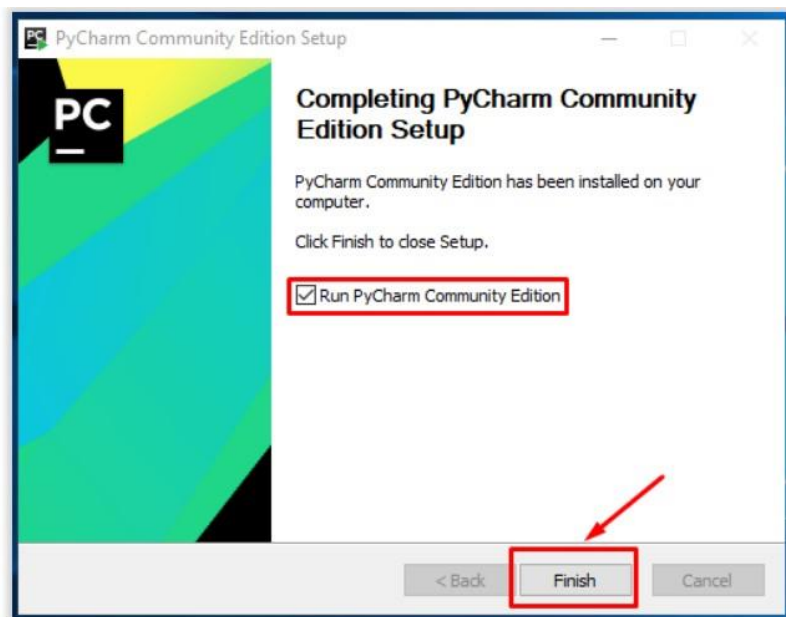
Perquisites and Development for the Code/Application : –
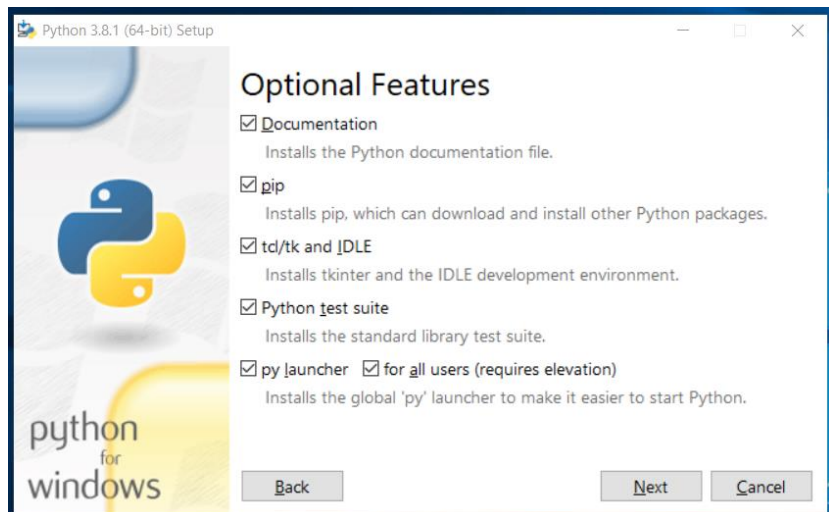
- Platform Developed – PyCharm
- Language used – Python 3+
- Code Dependency – Tkinter, Pandas, copy & Matplotlib (These are Python Libraries for Backend installation)

Status of Successful Installation : –

- PyCharm –

- Tkinter – At the time of installation as u can see below select tcl/tk. It will install automatically.

- Pandas – Used "pip install pandas" to install

- Matplotlib – Used "pip install matplotlib" to install

How to Operate the Code/Application : –

I.   Open the PyCharm and select the Open Project option and then select the project folder.
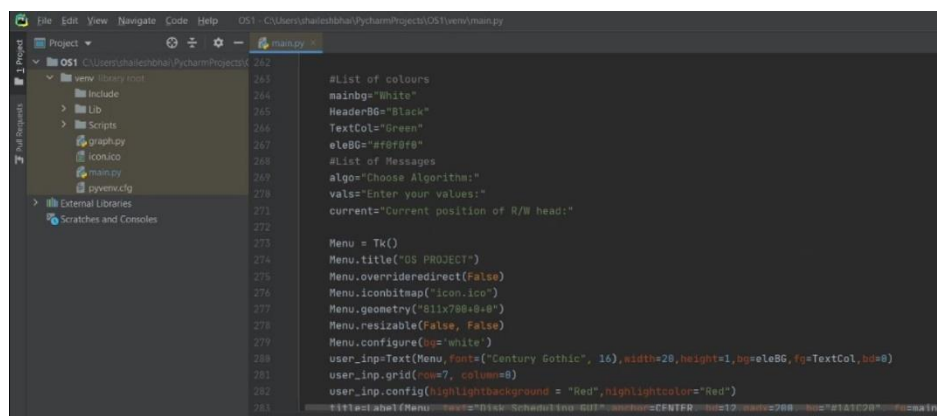
II.   Then from sidebar open the "main.py" file and press "Ctrl+Shift+F10" to run your code.
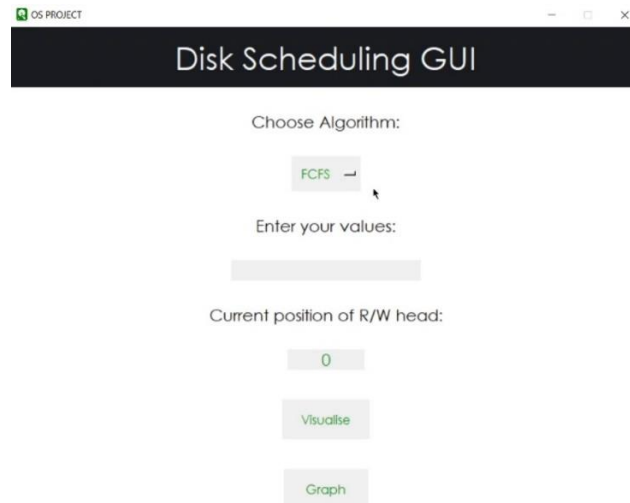
III. After the code is working you will get these kinds of interface.

IV.   First of when you execute the Code/Application there you will get options to select for which algorithm you want to visualize. The algorithm you can select are: –

   a. FCFS
   b. SSTF
   c. SCAN
   d. LOOK
   e. C-SCAN
   f. C-LOOK

V.   After you select the algorithm you want to visualize you will get the option to fill the fill the textbox for every particular algorithm which collects the data where you want to Track you want to visit and then correctly fill the information in the fields given.

VI.   Then click on VISUALISE button to see the visualization of the selected algorithm and GRAPH button for the Total Head Movement Graph for all algorithms.

VII.   After clicking on VISUALISE button an animation will appear it will be the visualization of the algorithm and also you will get some information about the algorithm like Total time taken, Total head movement etc.

VIII.   On clicking on GRAPH button, it will show the Graph of Total Head Movement V/s Algorithm. Also you can save the image of graph by clicking on the save button below graph.

Enhancement's which can be made : –

 • Side by Side Comparisons of two Algorithms with Graph.
 • 3D Animation for visualization of Algorithm.
 • Also the Minimal head movement can be for that sequence other than entered by user.

Thank YOU