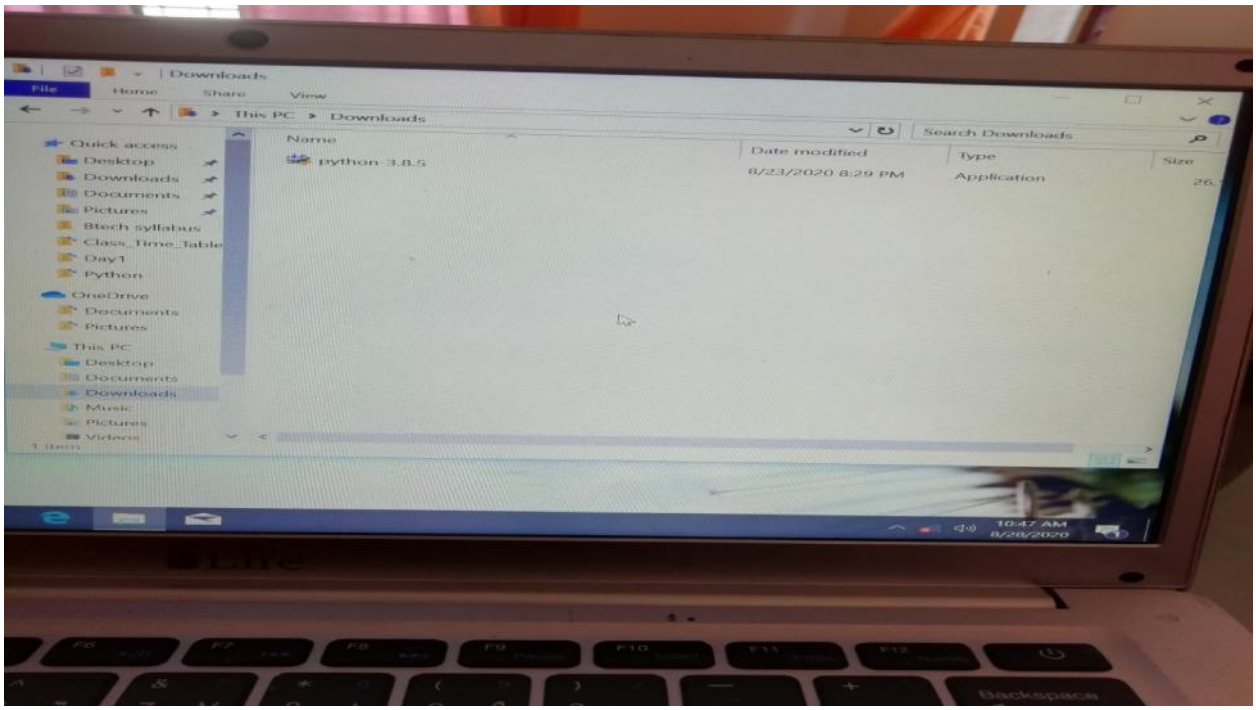
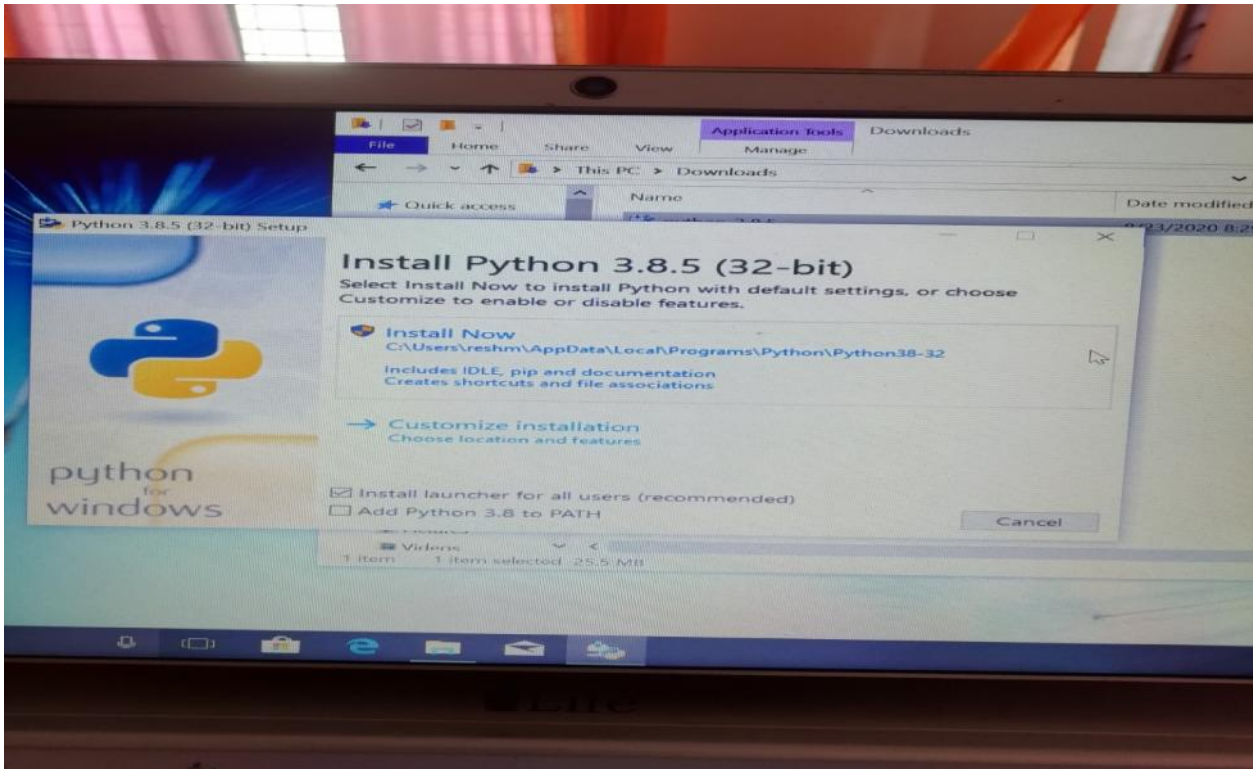
Lecture 3

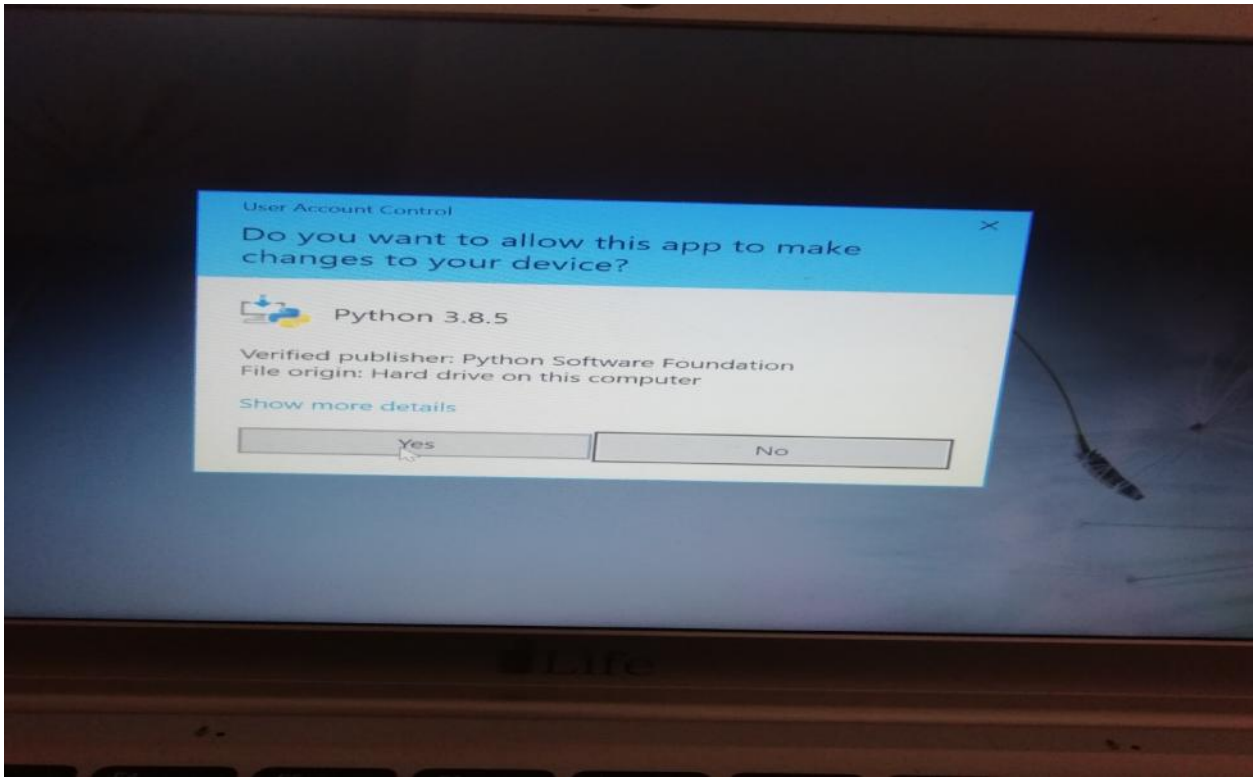
Download python from www.python.org , Software will be located in Downloads file.



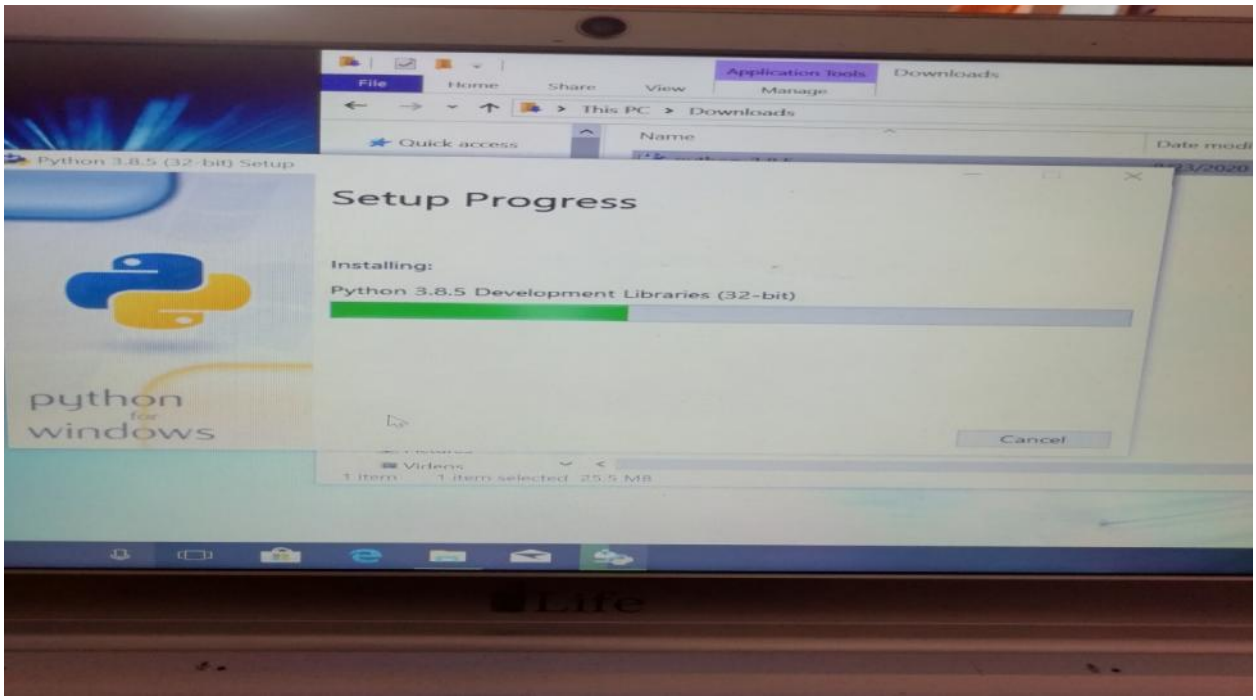
Then click on the install

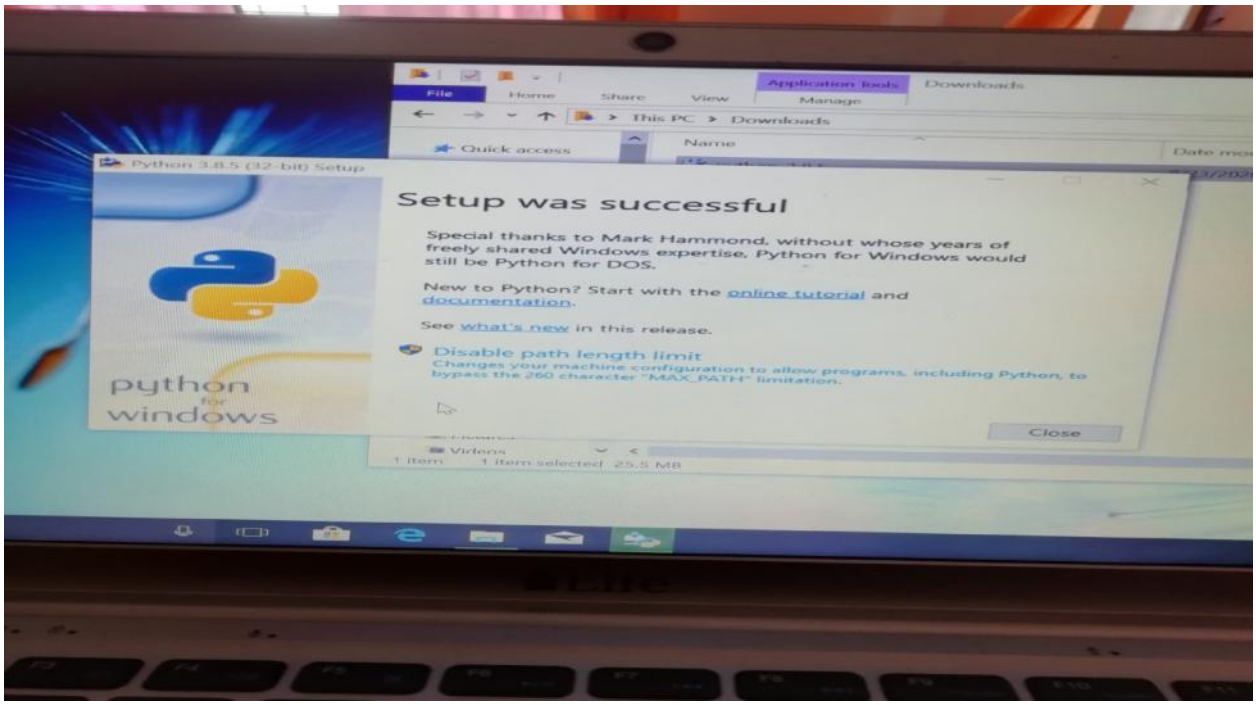


Select Yes

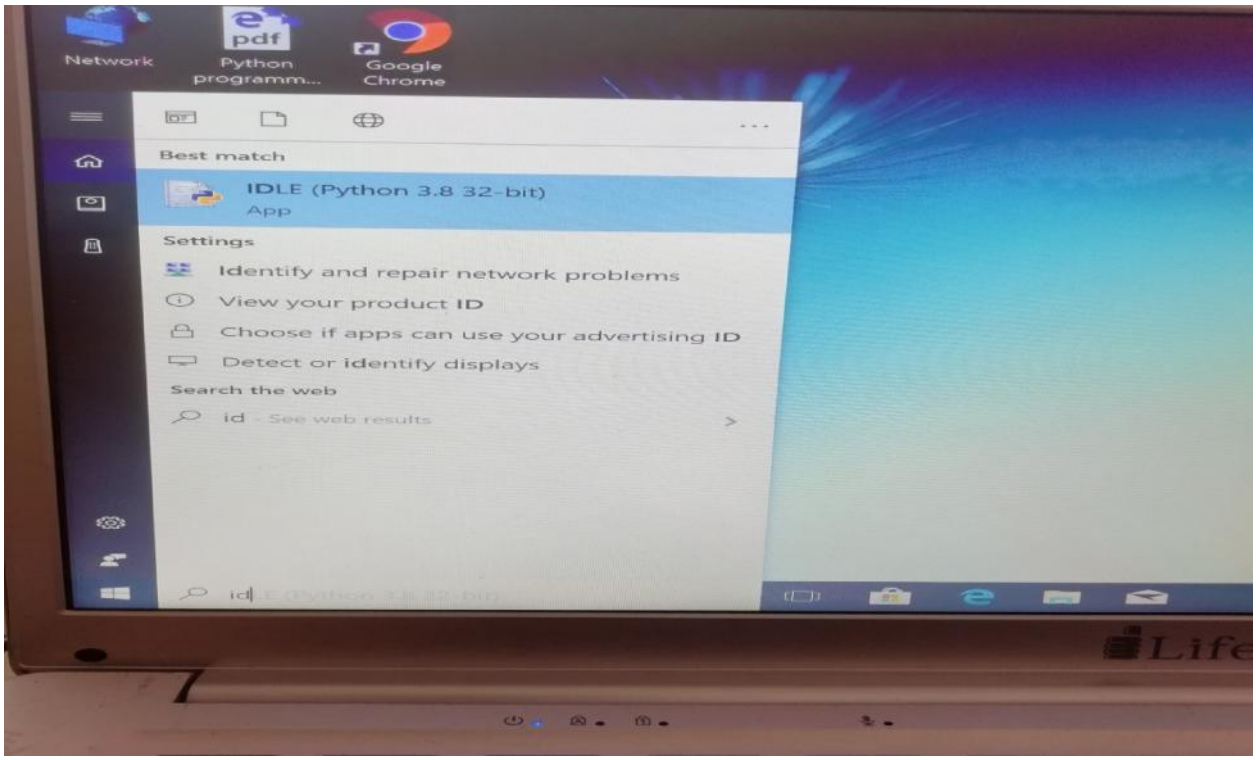


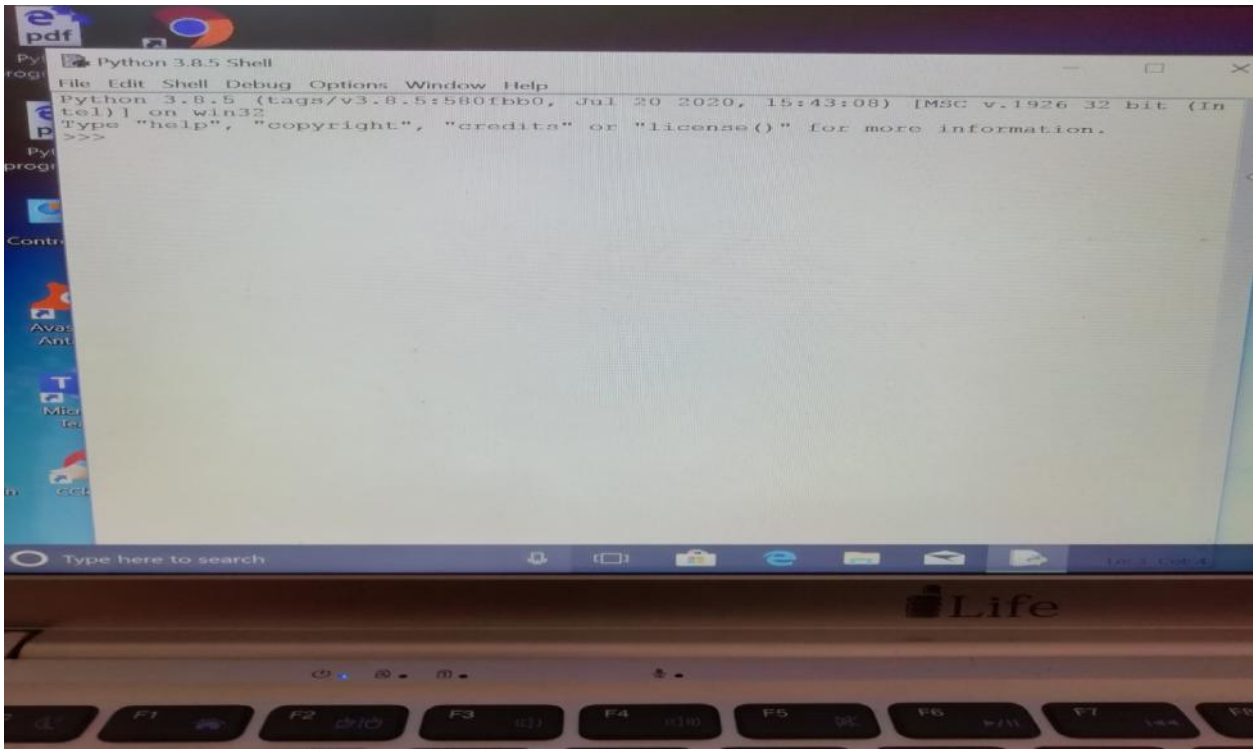
Install process wait



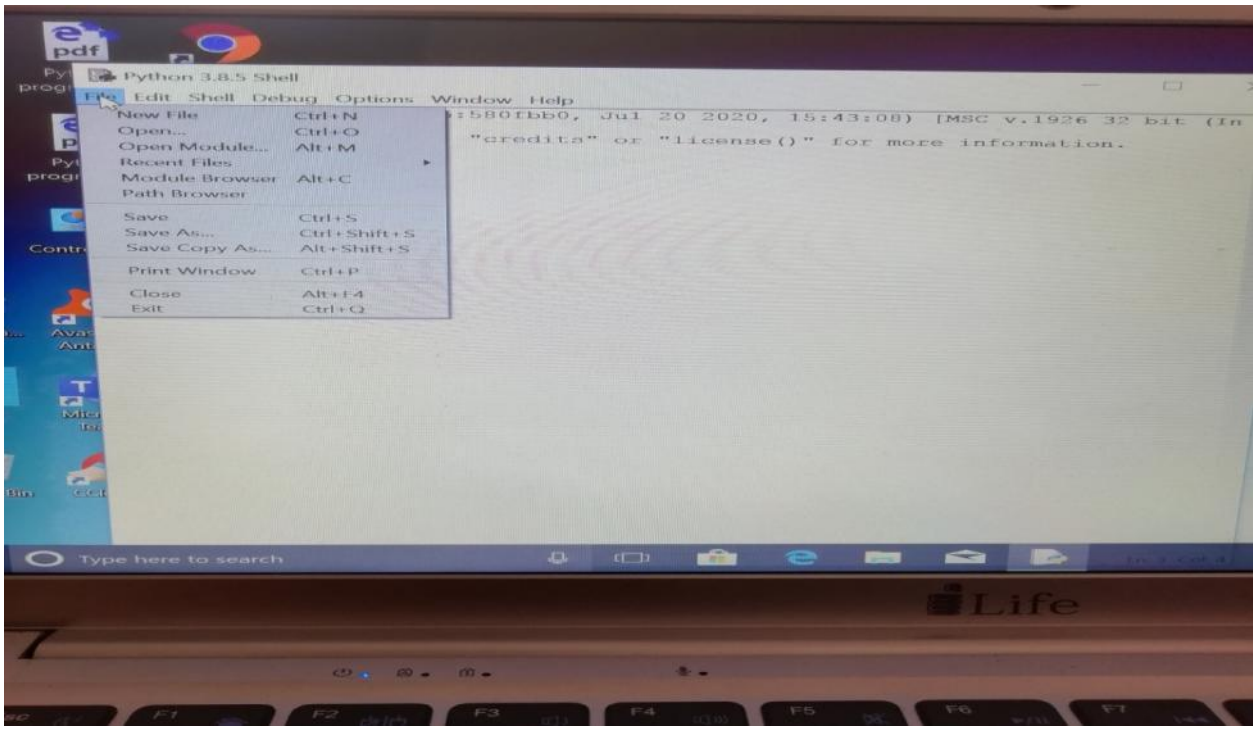


Search IDLE (Integrated Development and Learning Environment) is an integrated development environment (IDE) for Python.

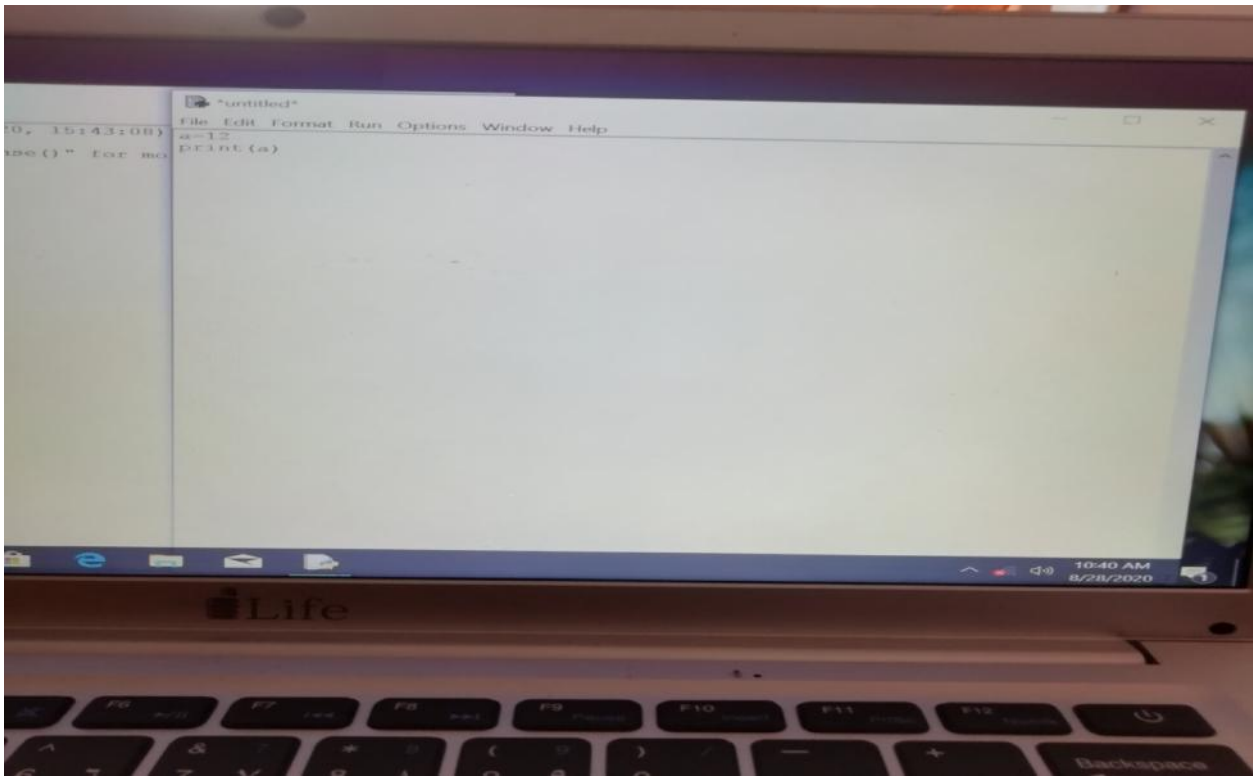




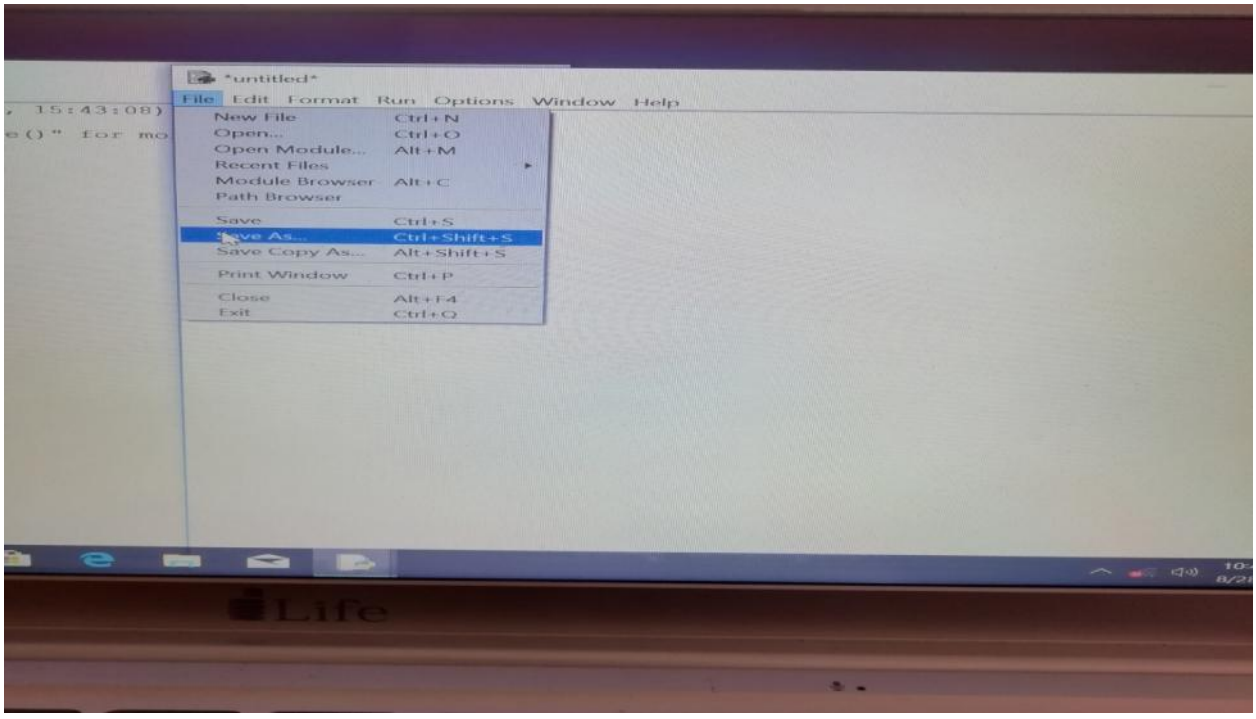
Creating Python file with **.py** extension…



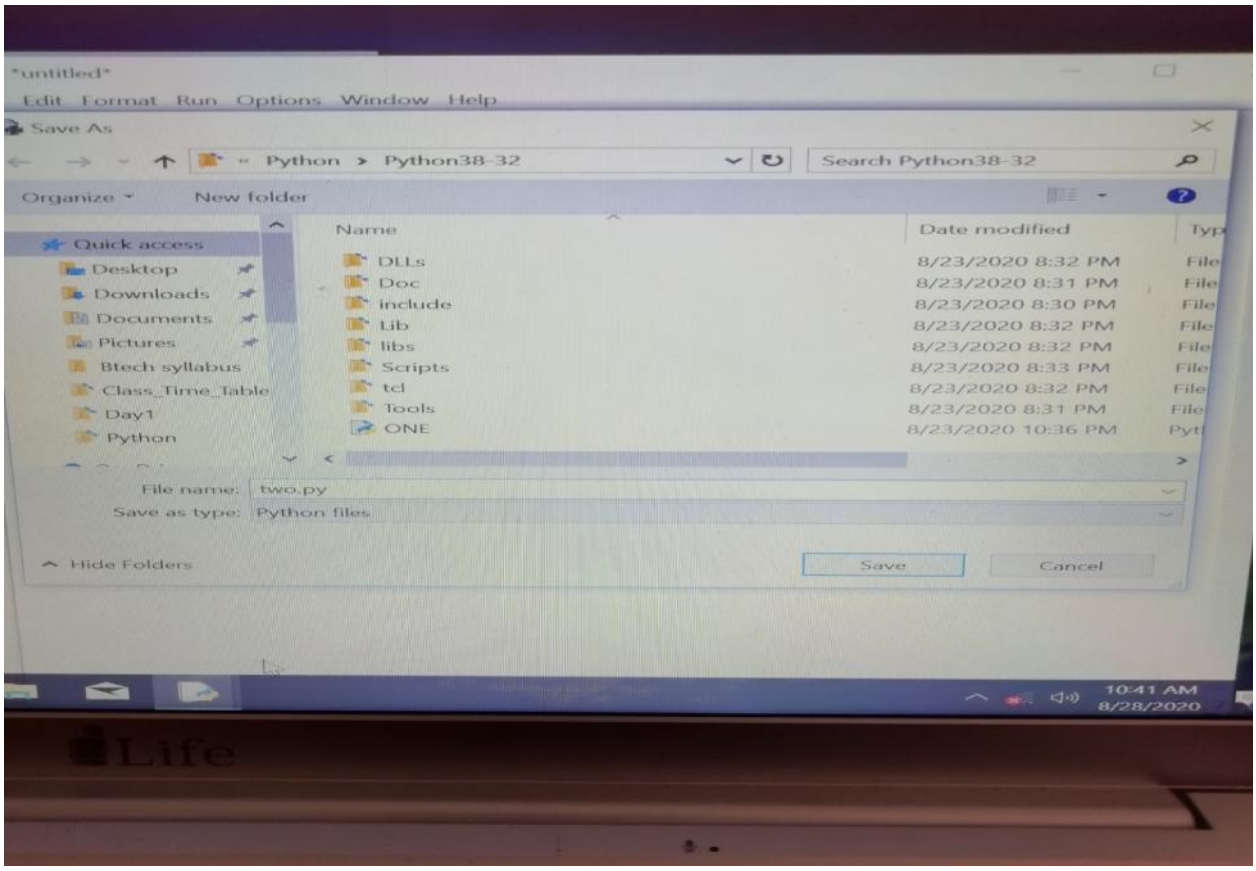
Writing Program



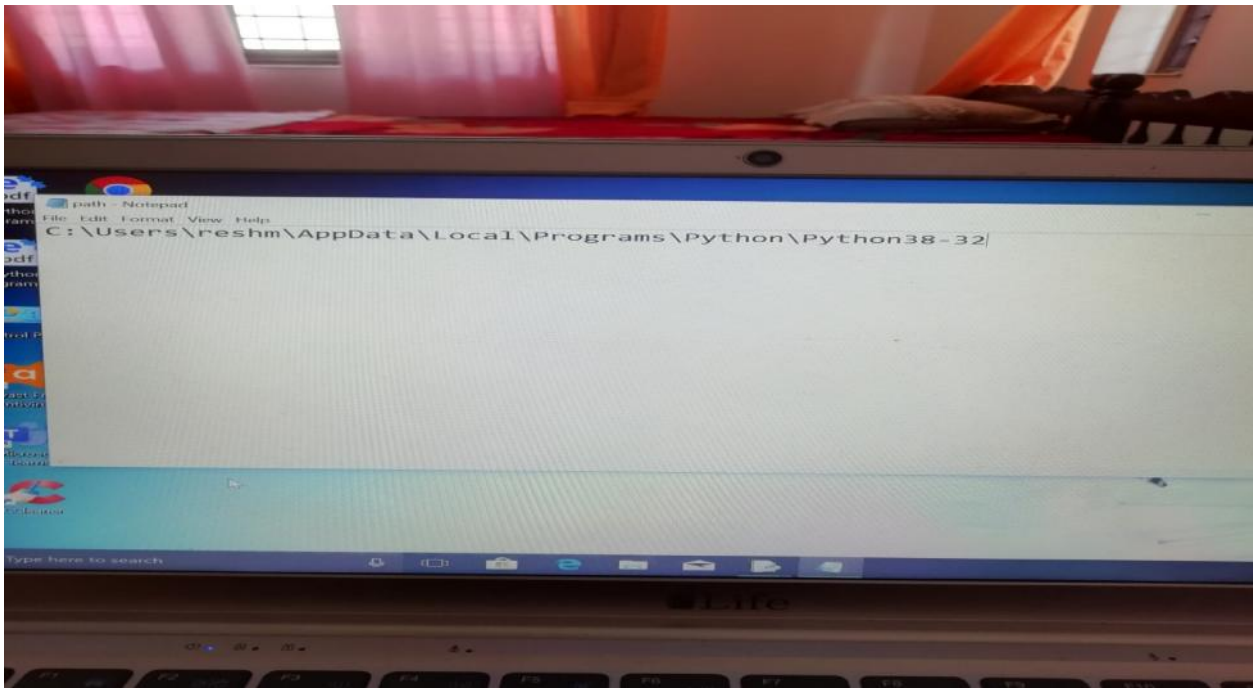
Saving file



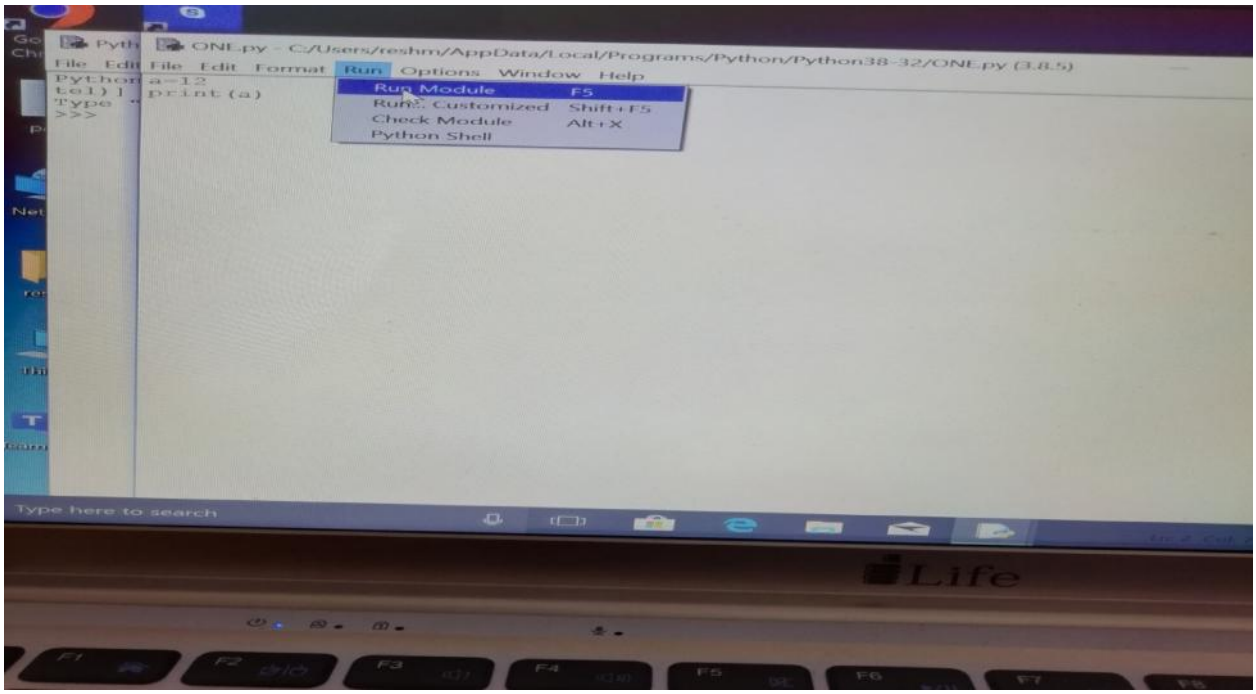
File name **two.py**



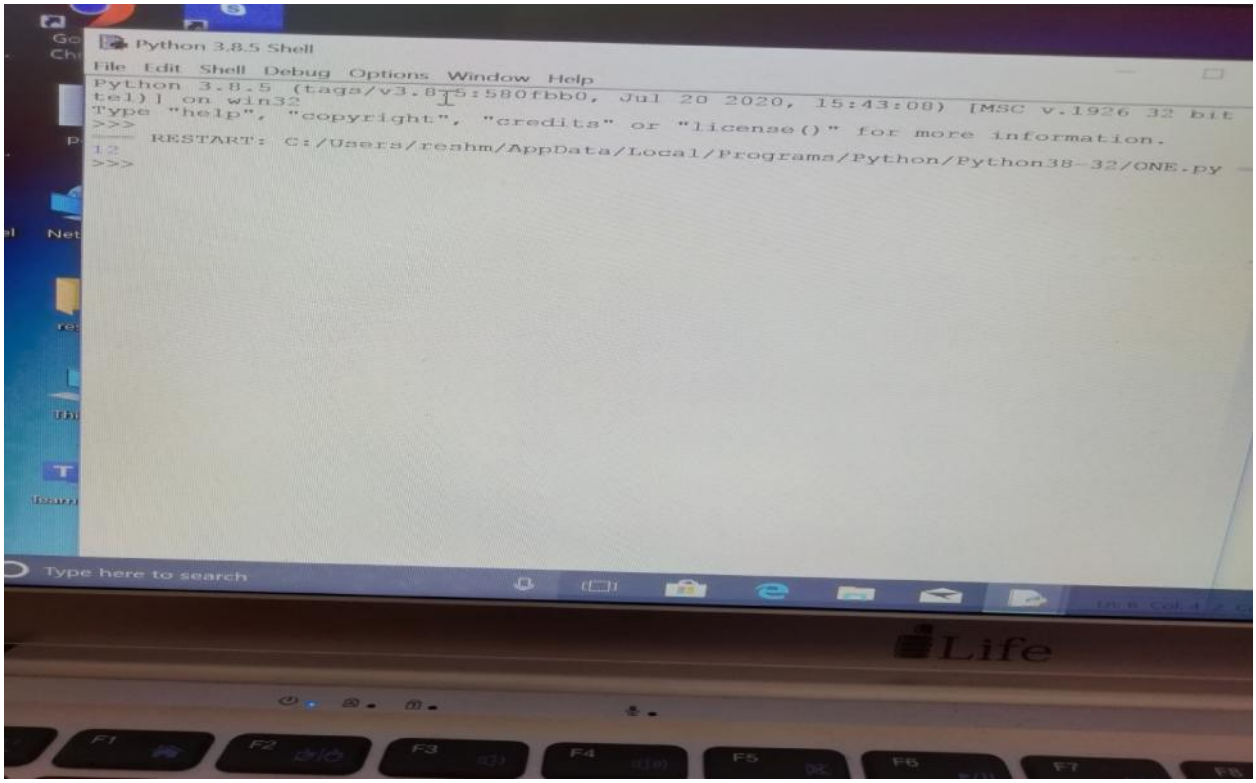
Path of file two.py is



Let us open a file **ONE.py**



Can see the result in Shell



Python IDEs and Code Editors: A code editor is a tool that is used to write and edit code. They are usually lightweight and can be great for learning. However, once your program gets larger, you need to test and debug your code, that's where IDEs come in. An IDE (Integrated Development Environment) understand your code much better than a text editor. It usually provides features such as build, testing and debugging. This can significantly speed up your work.

1) Online Compiler (Programiz, Online gdb)
2) IDLE
3) Sublime Text
4) Atom
5) Thonny
6) PyCharm
7) **Spyder**(Scientific Python Development Environment) is included by default in the **Anaconda Python** distribution

Example program (Let us run this in https://www.programiz.com/python-programming/online-compiler/)

```
N = int(input("The number of rows :"))
for r in range(1, N):
    for c in range(1, r + 1):
        if(c%2==0):
            print(c, end='\t')
    print('\n')
```

Try to do this pattern for n rows and mail to praveen.cys@gmail.com

1
2 3
4 5 6
7 8 9 10