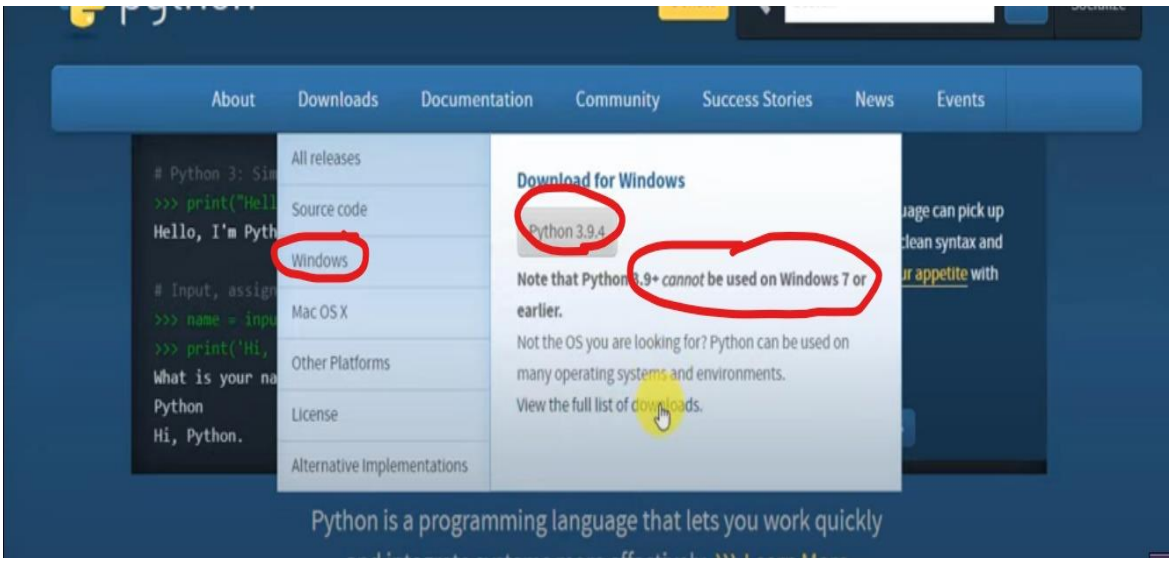
Setting up Python in windows(click here)

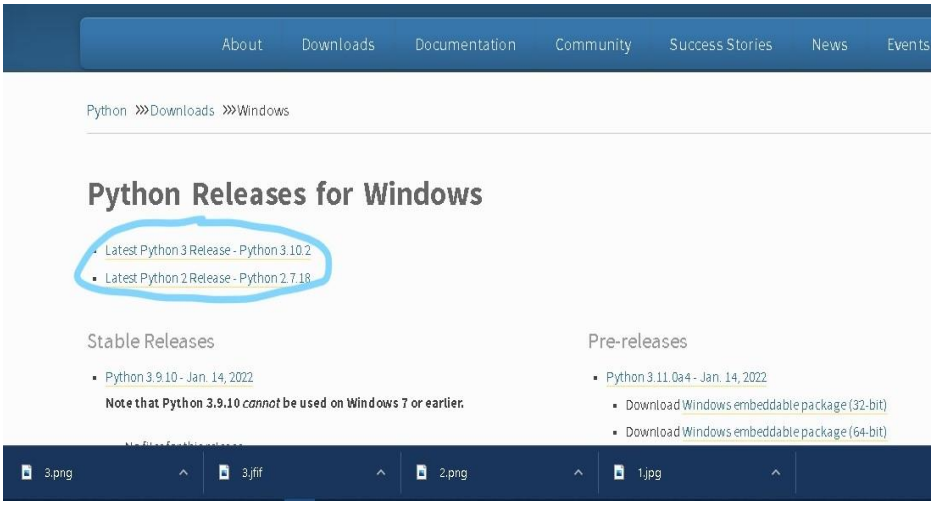
- **Step 1: Downloading python**

  Go to page **https://www.python.org/** and click on downloads for particulars Windows or Mac OS X.

  Directly click on Python 3.9.4 as circled below it starts downloading.



If you clicked Windows as circled in above picture it pops up page like shown below

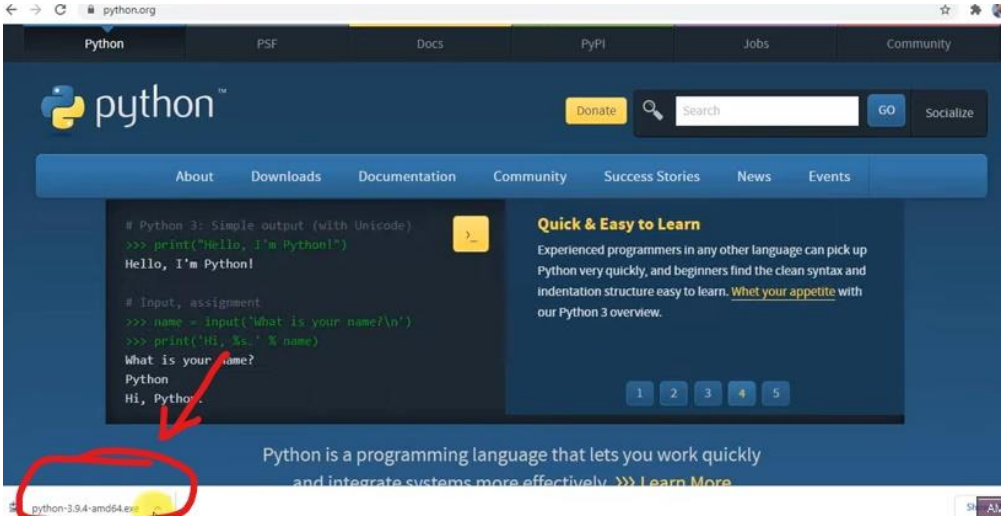


click the circled latest download link to start download

- ## Step 2: Opening file

After downloading double click the file shown below (circled) if it is not visible,

go to my computer-- open downloads folder --and open file name python.



- ## Step 3: Installation of python

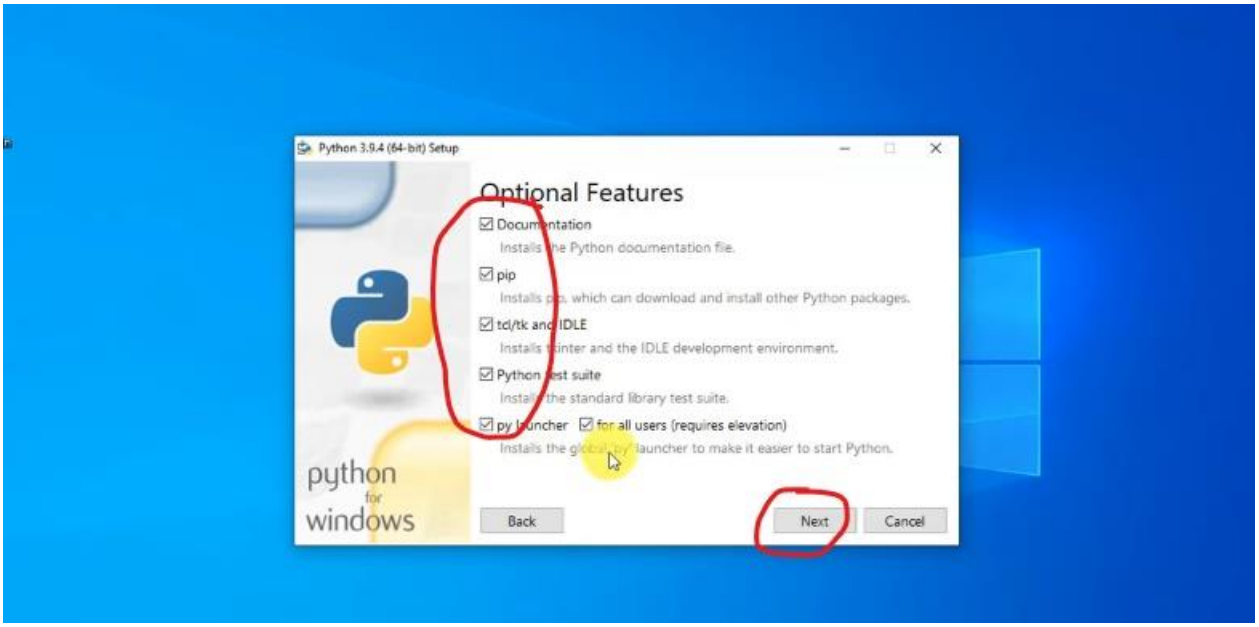
Now a page pops up run as administrator select yes. Window is popped up as shown below

Note the check boxes carefully

- Click the check box at add python 3.9 to path
- Then click customize installation

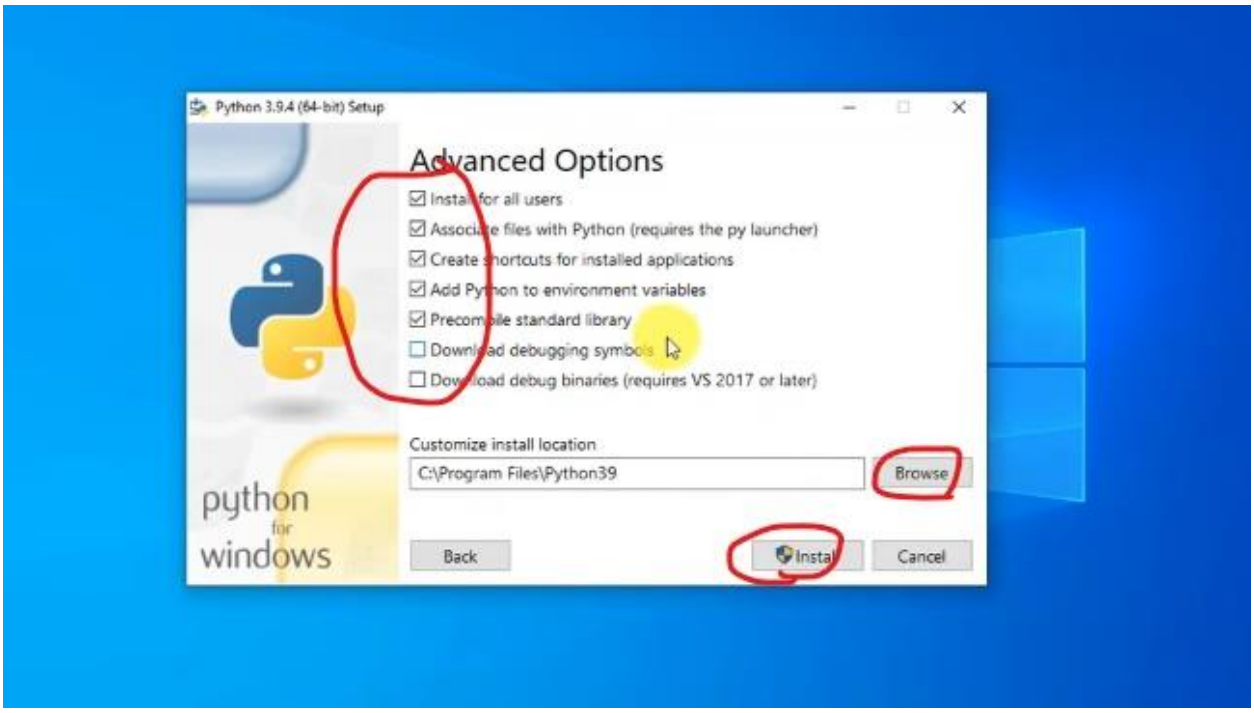
- **Step 4: optional features**

  click check boxes as per picture shown below and then click next



- **Step 5: Advanced options**

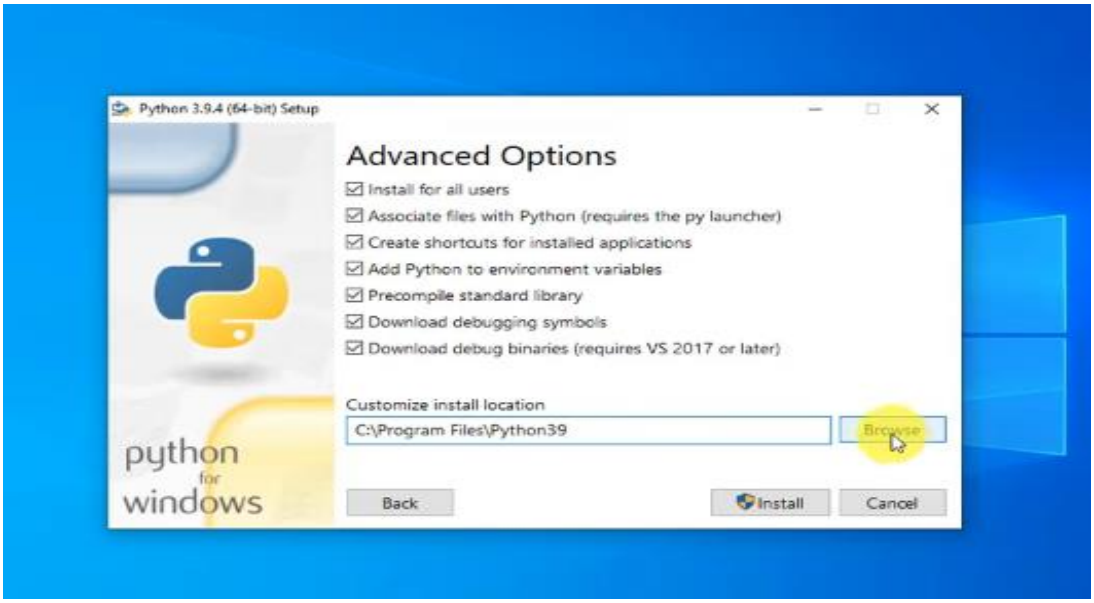
  Click all the check boxes as shown below



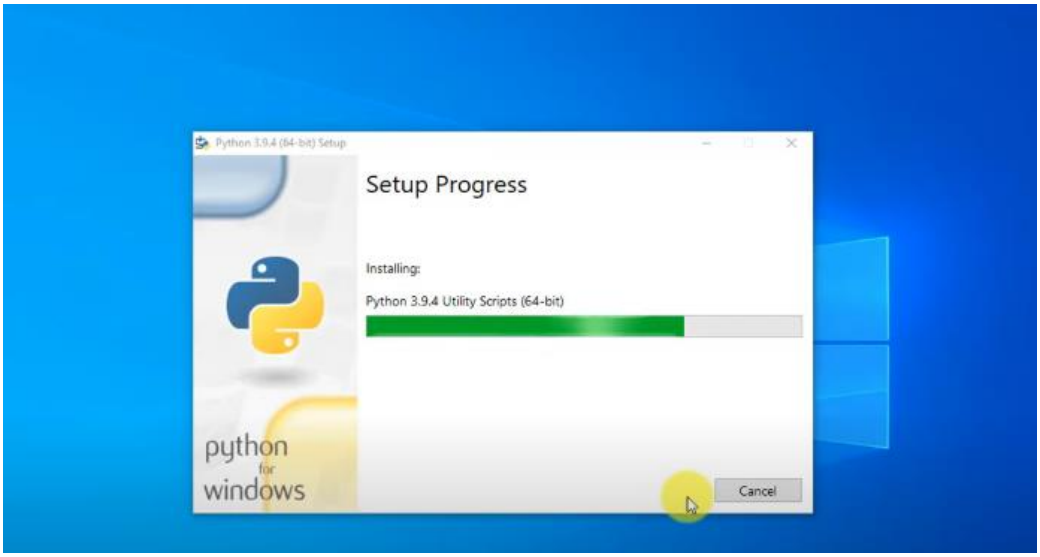
- **Step 6: Install**

  After selecting all boxes directly click install

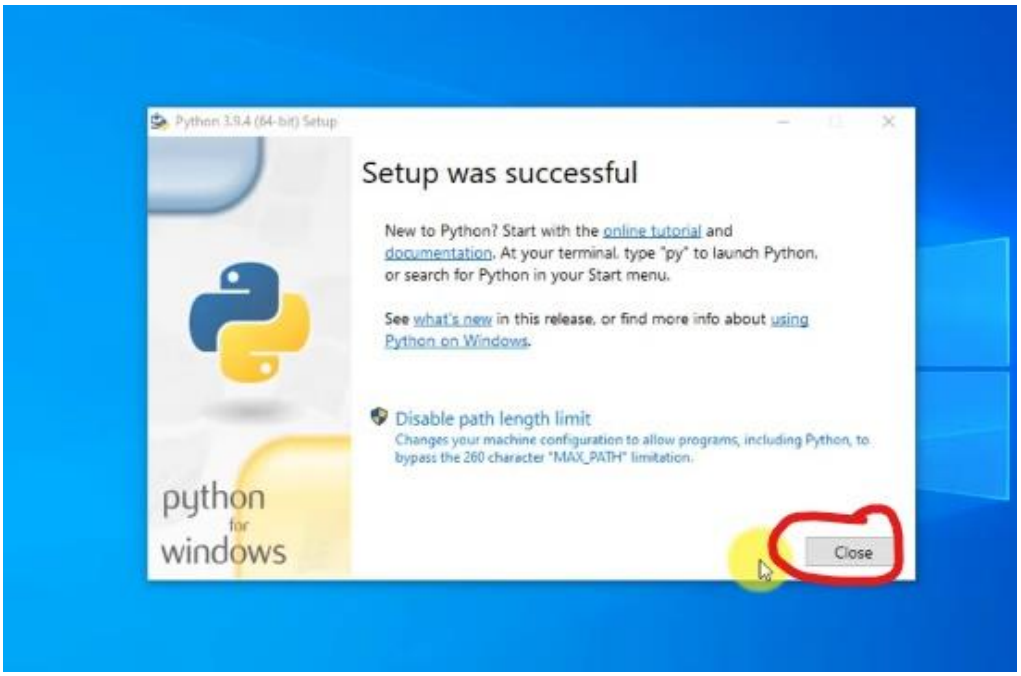
  In case you want to change path of installation click on browse choose path (the place you want to have python folder to be installed)



After clicking on install, it starts installing

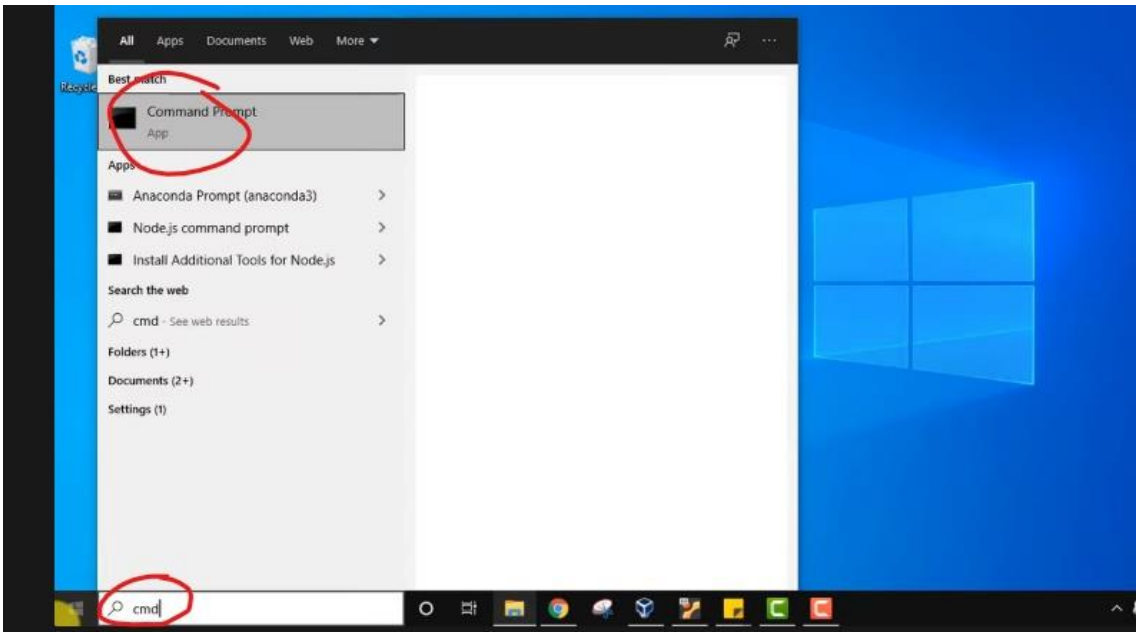


After finishing installation click on close

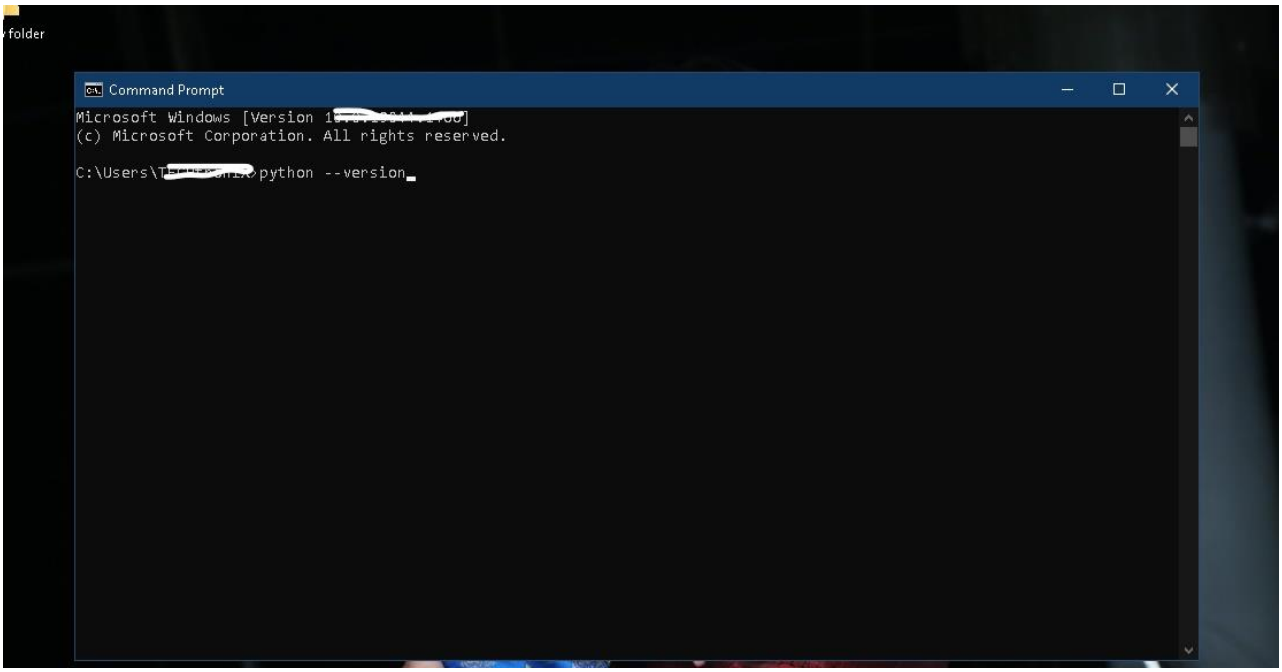


- **Step7: Verifying Setup**

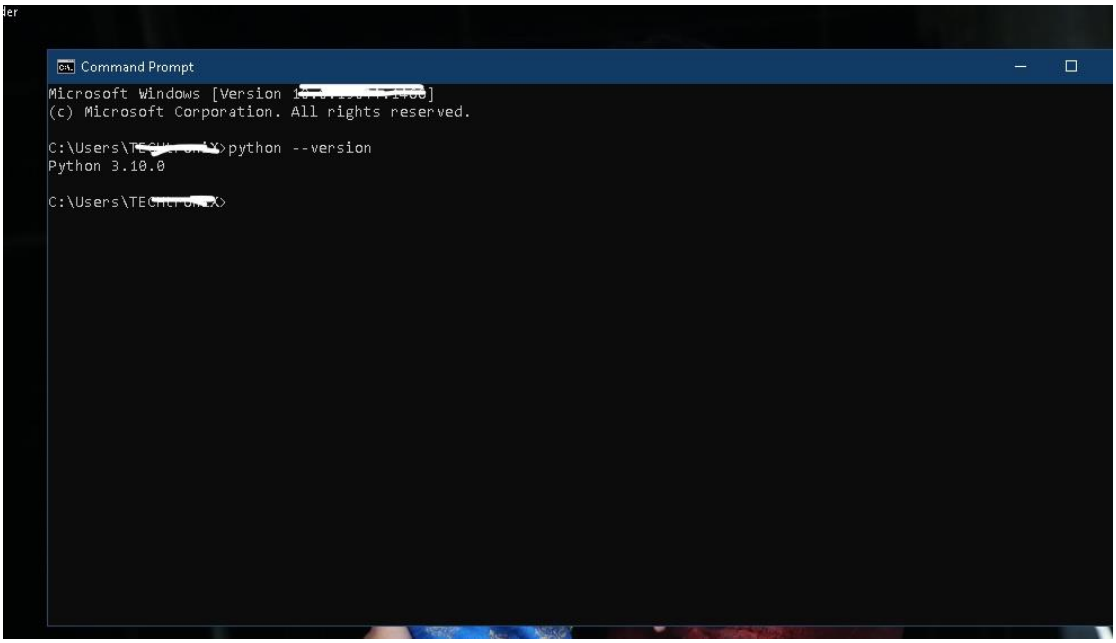
To verify setup, go to start search cmd open command prompt



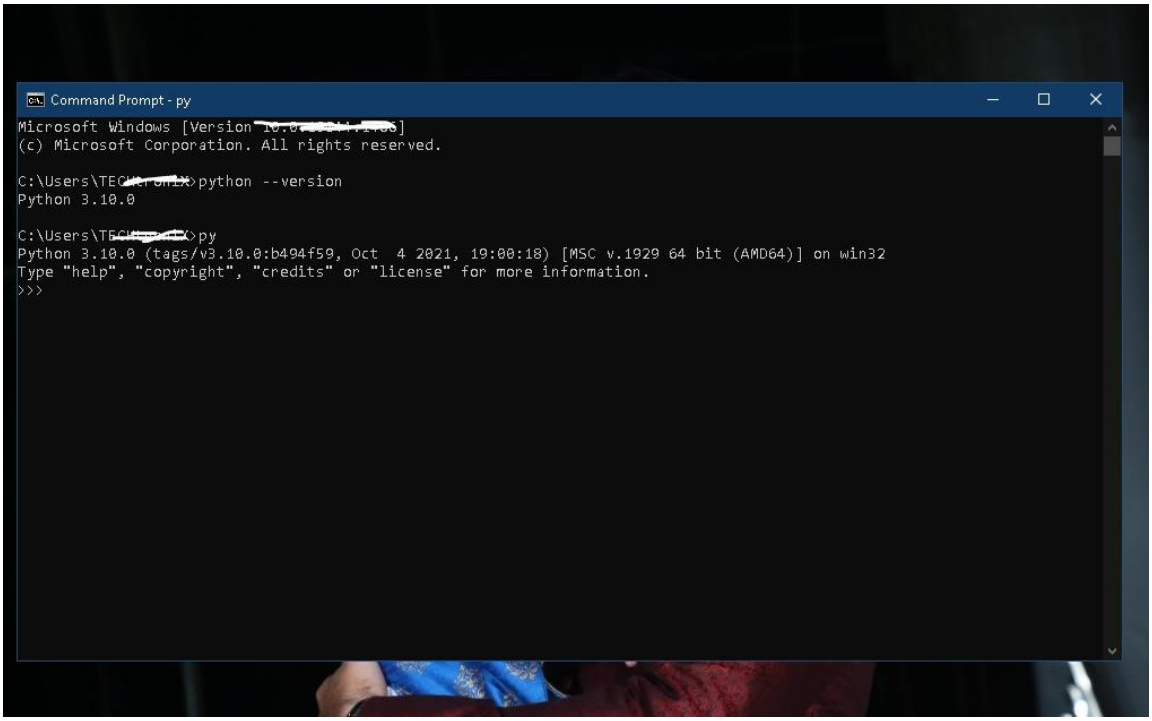
After opening command prompt type **'python --version'** as shown below and press enter.



After pressing enter it shows python version if it does not show reinstall the process

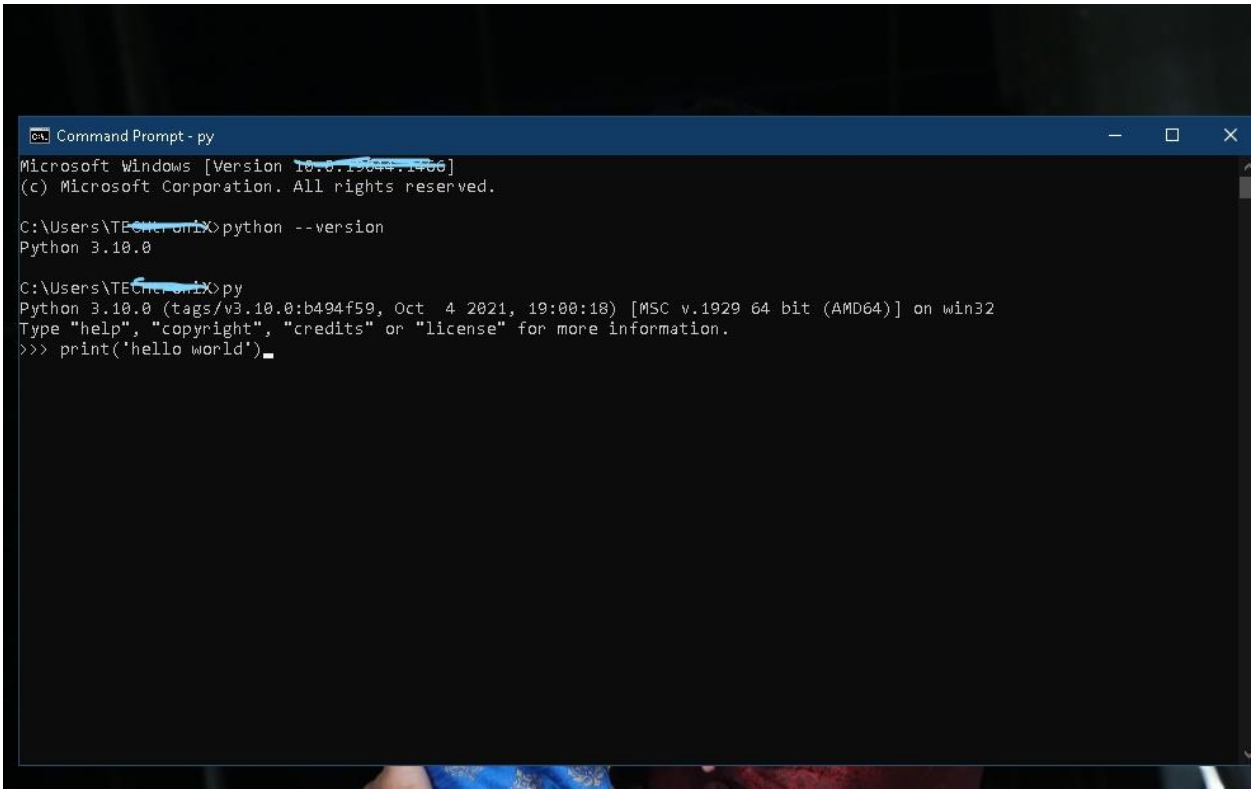


Now type py and press enter

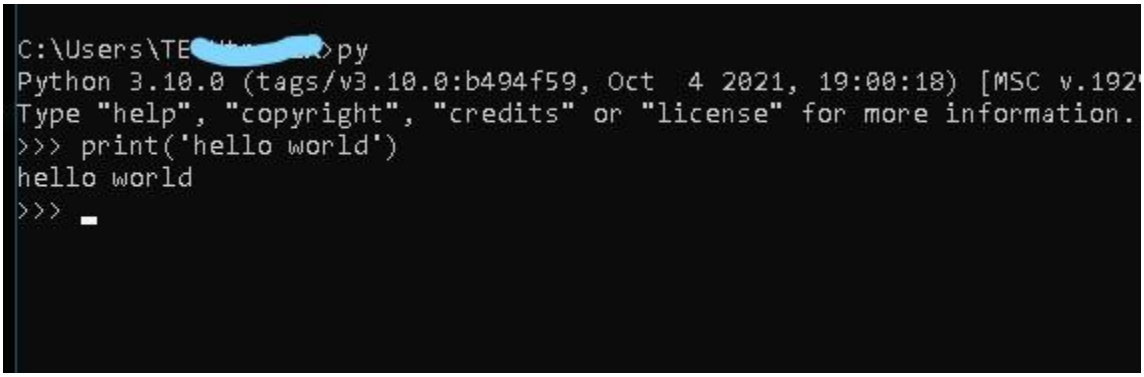


It shows >>> sign where you can start writing python code

Type print(‘hello world’) and press enter

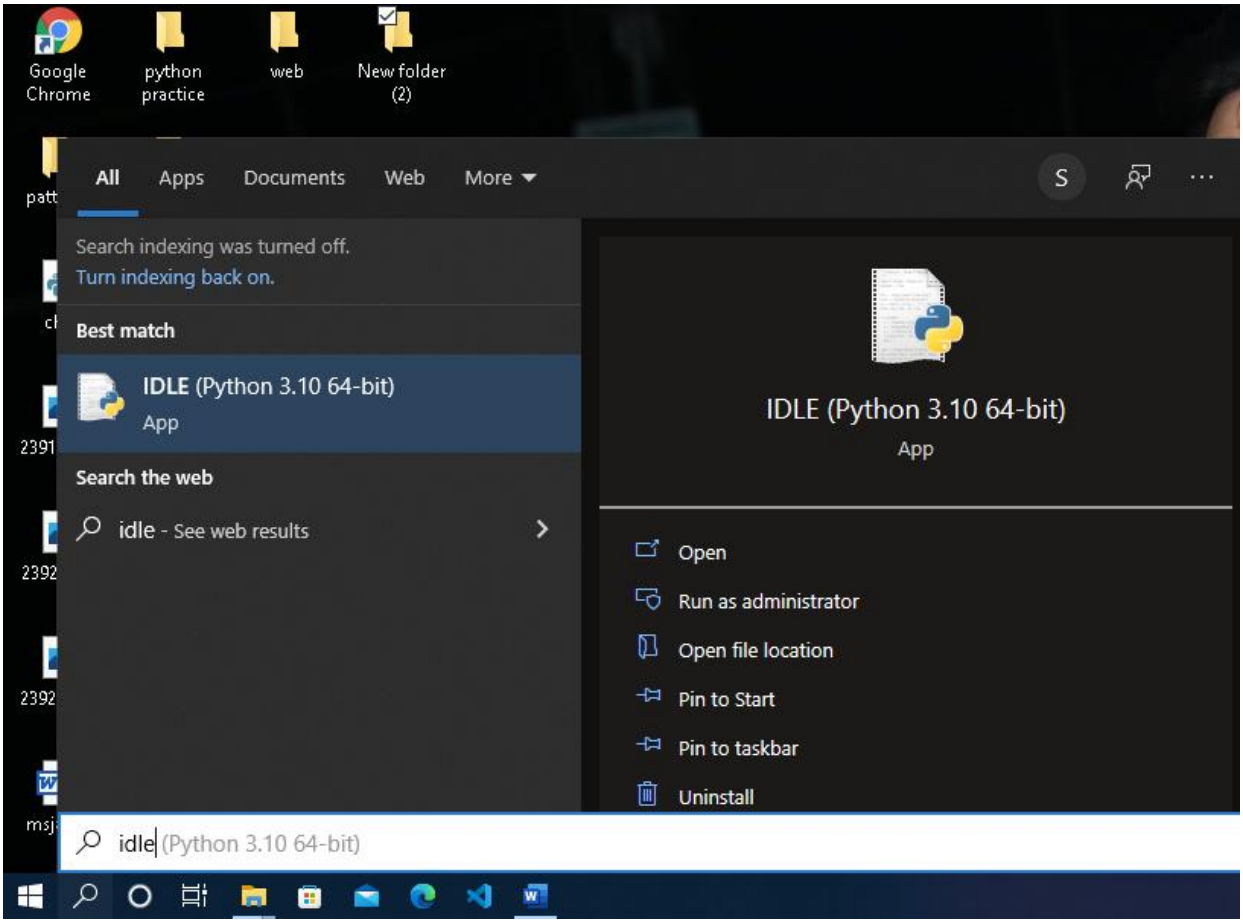


It gives hello world as output



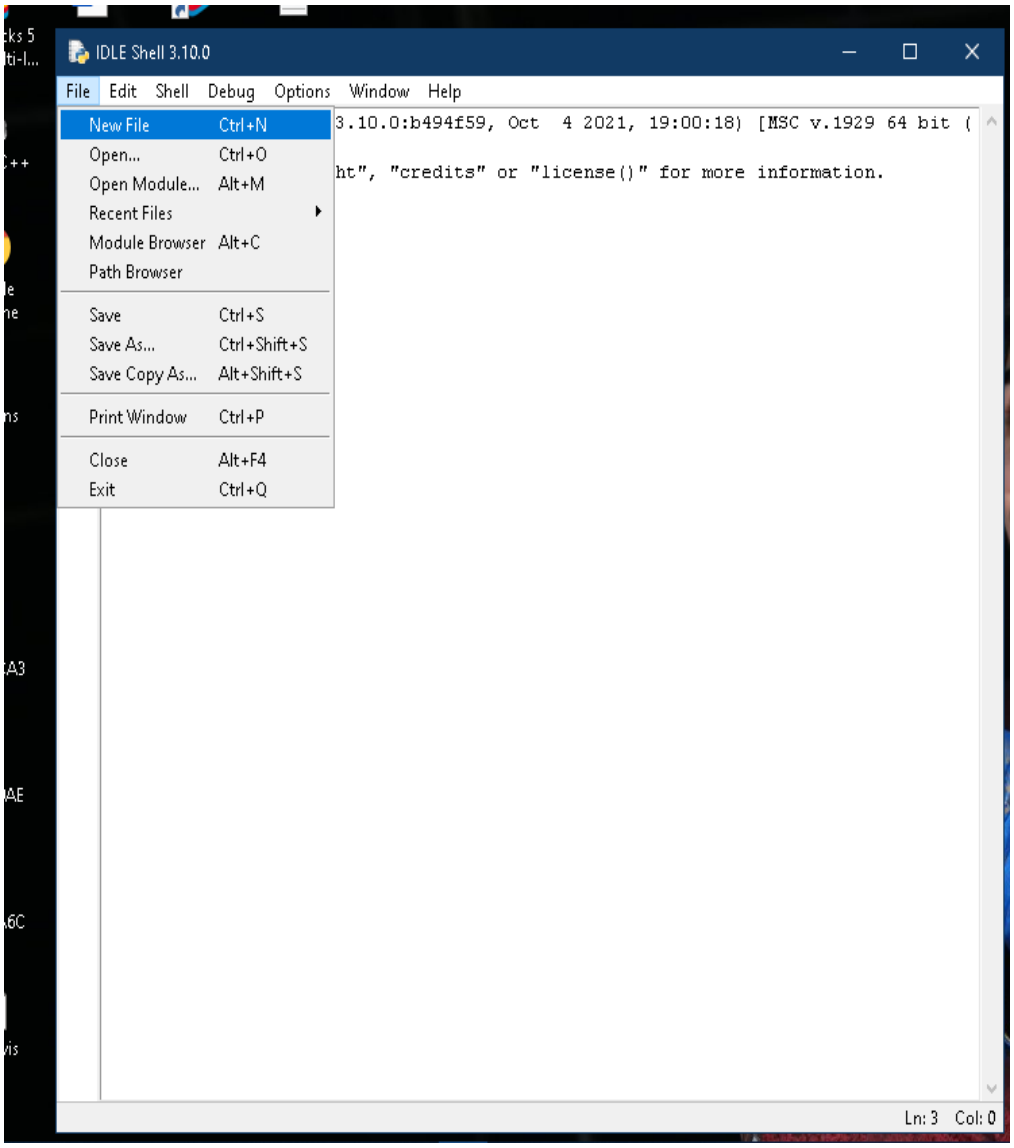
Using Python IDLE

- Search IDLE in start menu and open it as shown below



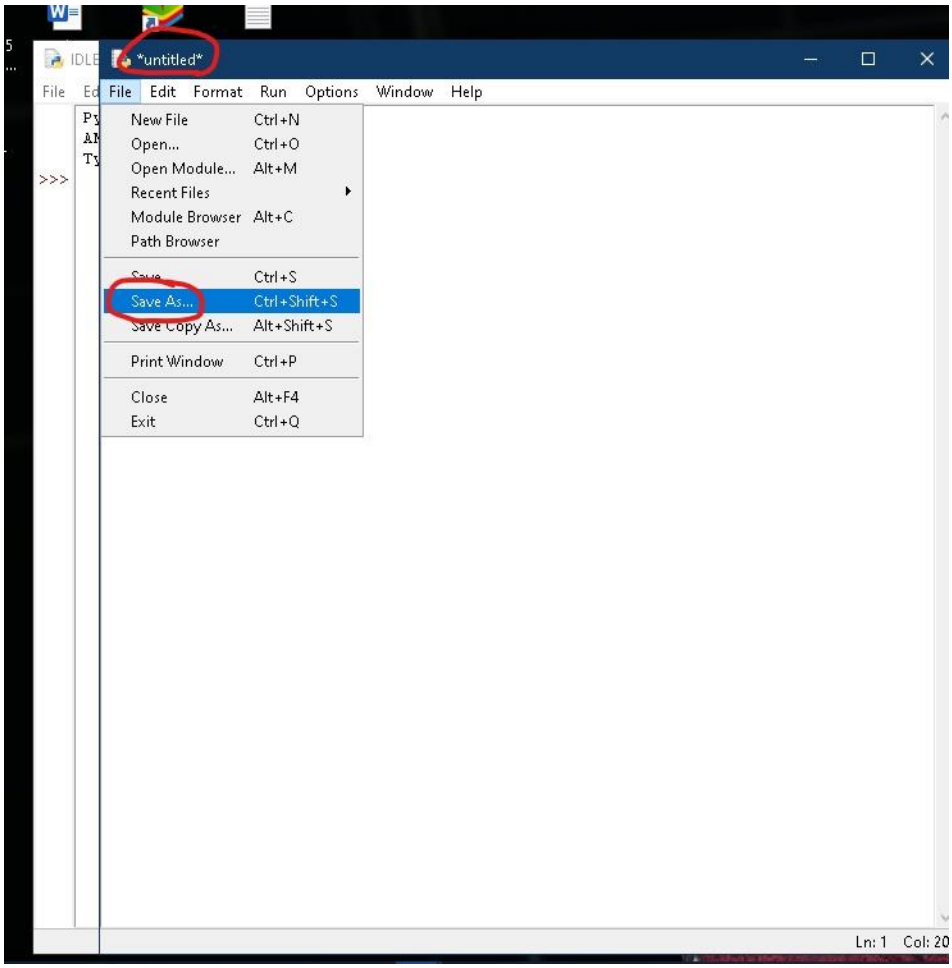
- IDLE shell is opened where your output will be displayed also you can run code directly here.

- Click on file and open new file.



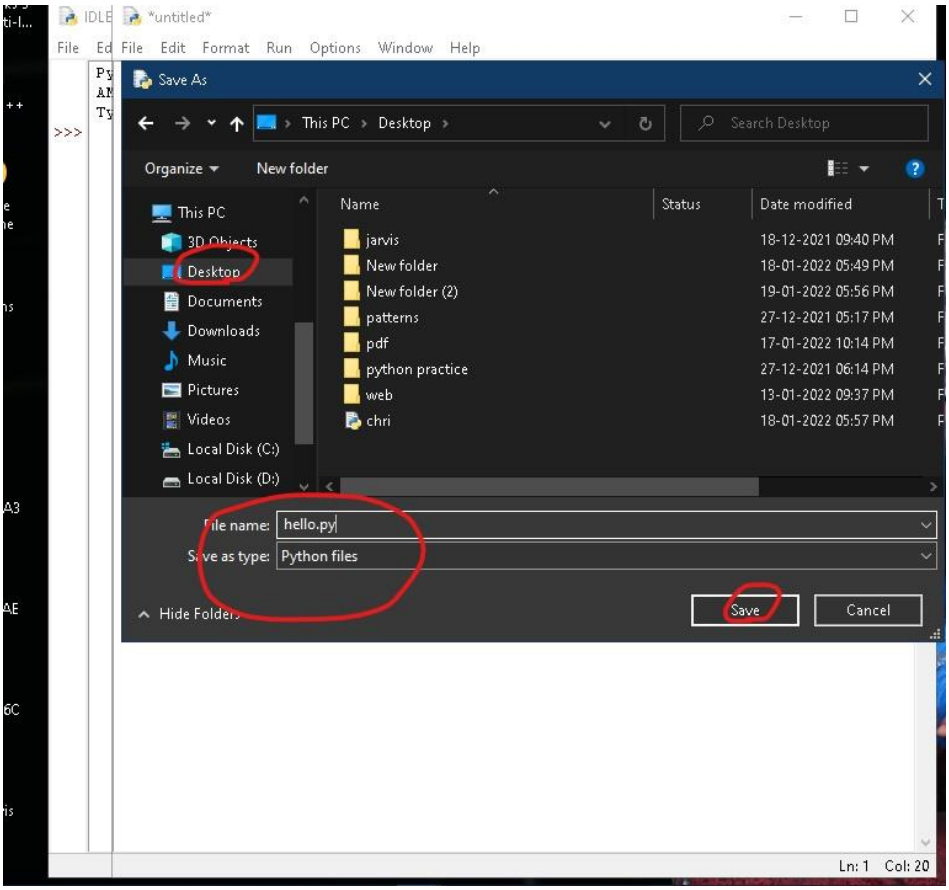
- A new untitled file is opened where you have to save it by giving a name as title to the file

- Go to files click on save as



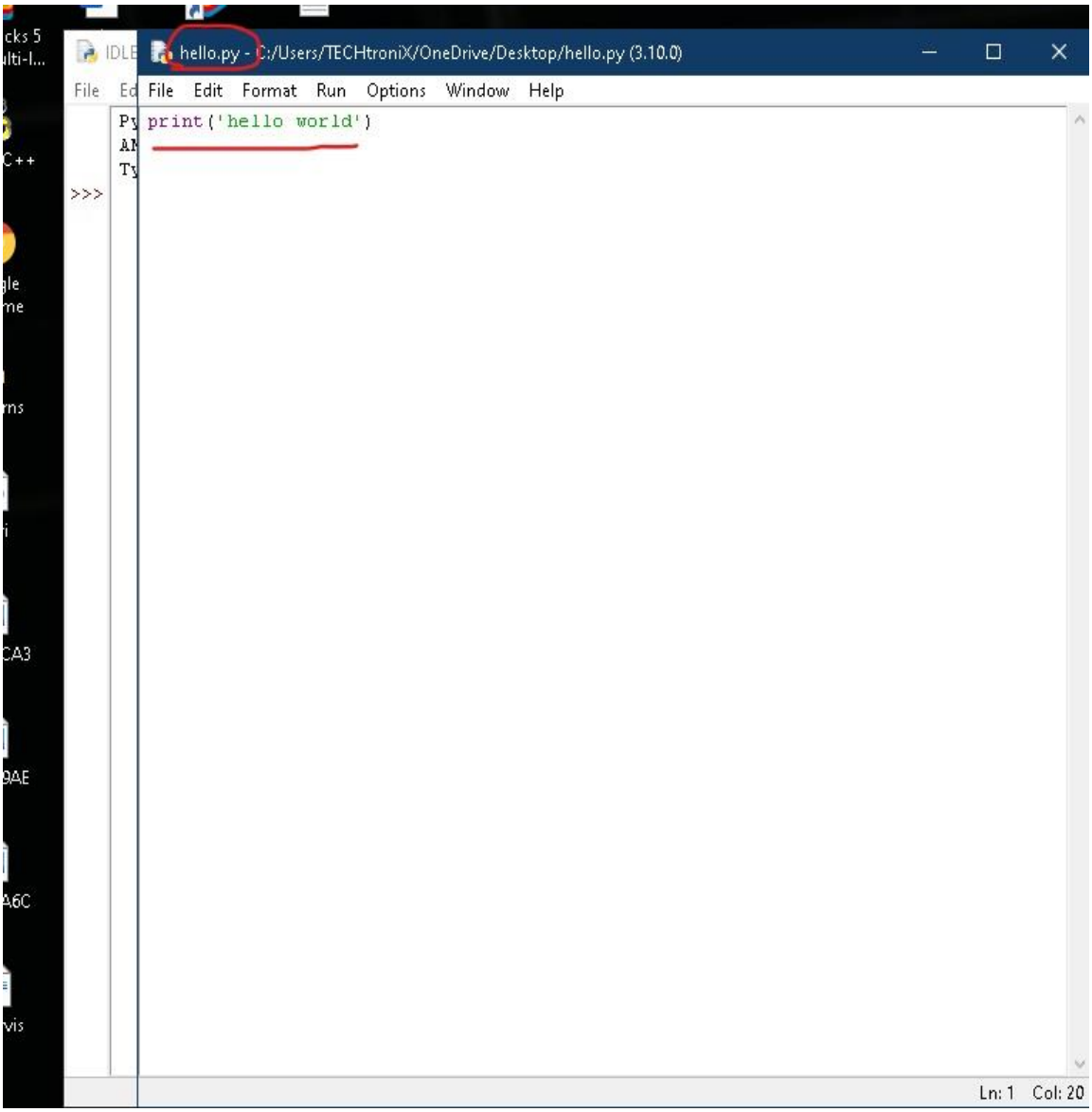
- After clicking on **'save as'** window is popped up to select the path where you want to save your python file.

- Select desktop as shown below and name the file as '**hello.py**'.
- At last, click on save

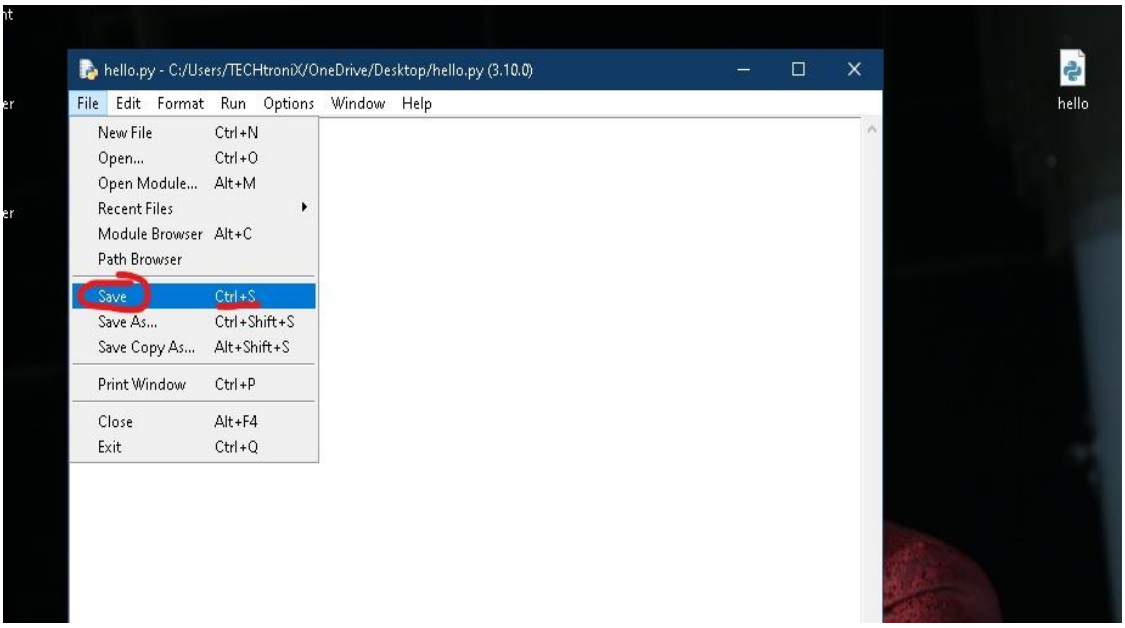


- Now you can see that untitled file got title as hello.py.

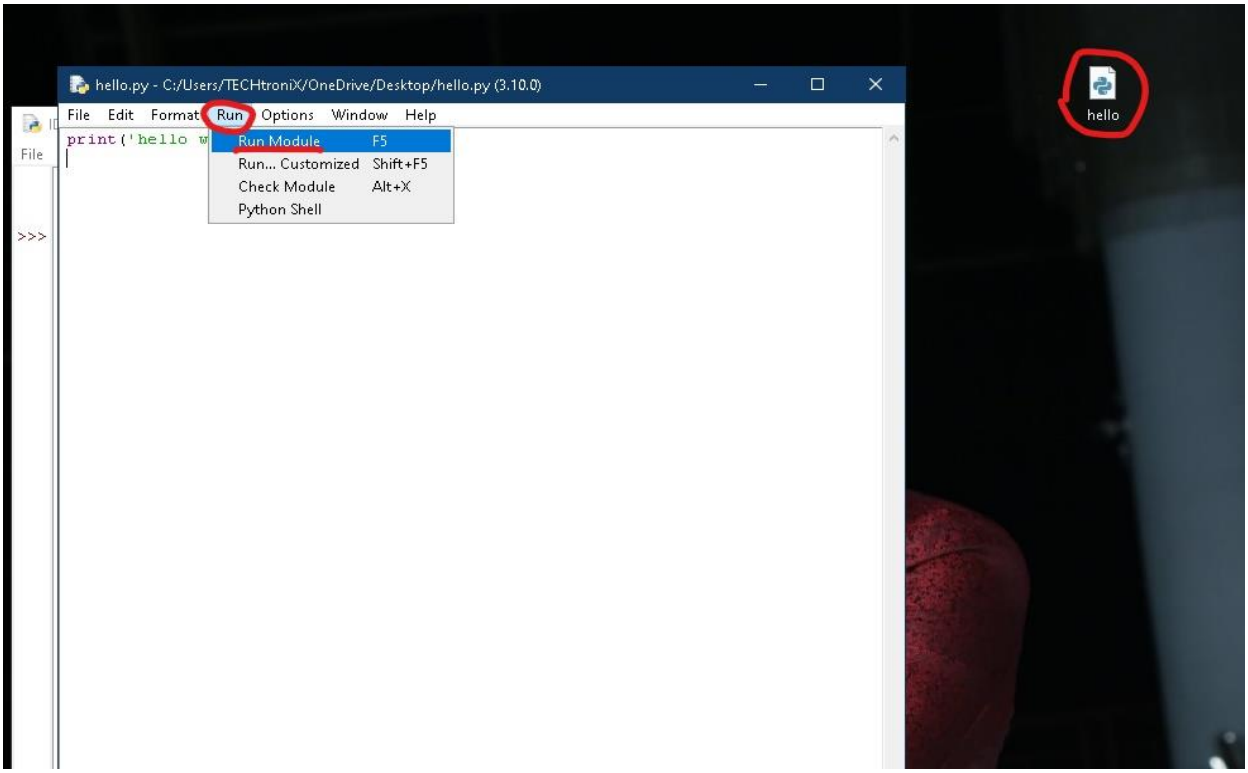
- Let’s start running code, type “**print(‘hello world’)**”



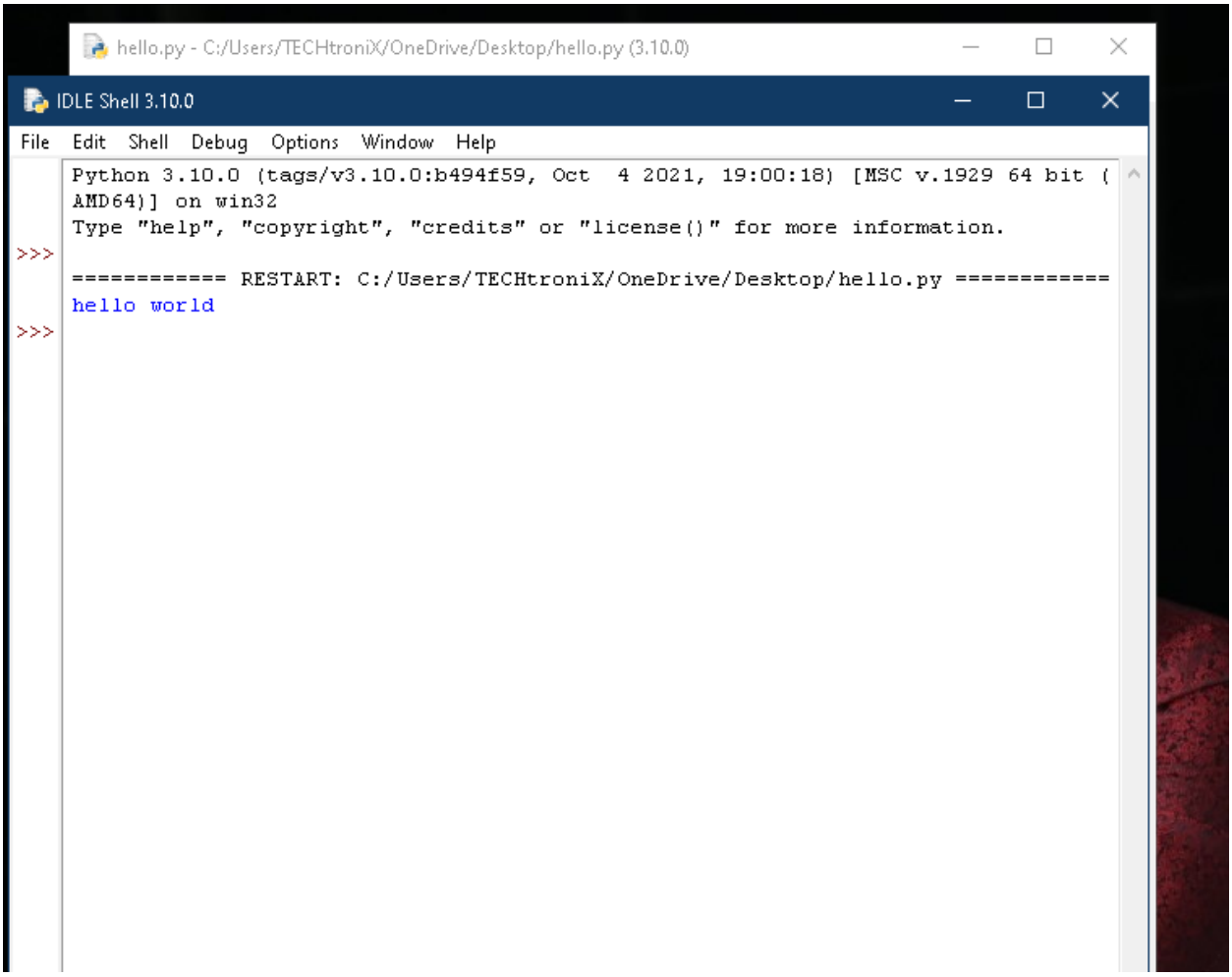
- Make sure for every change in file press ctrl+s to save file before running or go to files and select save as shown below.



- As file is saved now run the file.
- Click on run and select run module.



- After running output is displayed at IDLE window as shown below.



Let's write another code quickly…

Addition and subraction of two numbers

As there is two numbers then we should have two variables

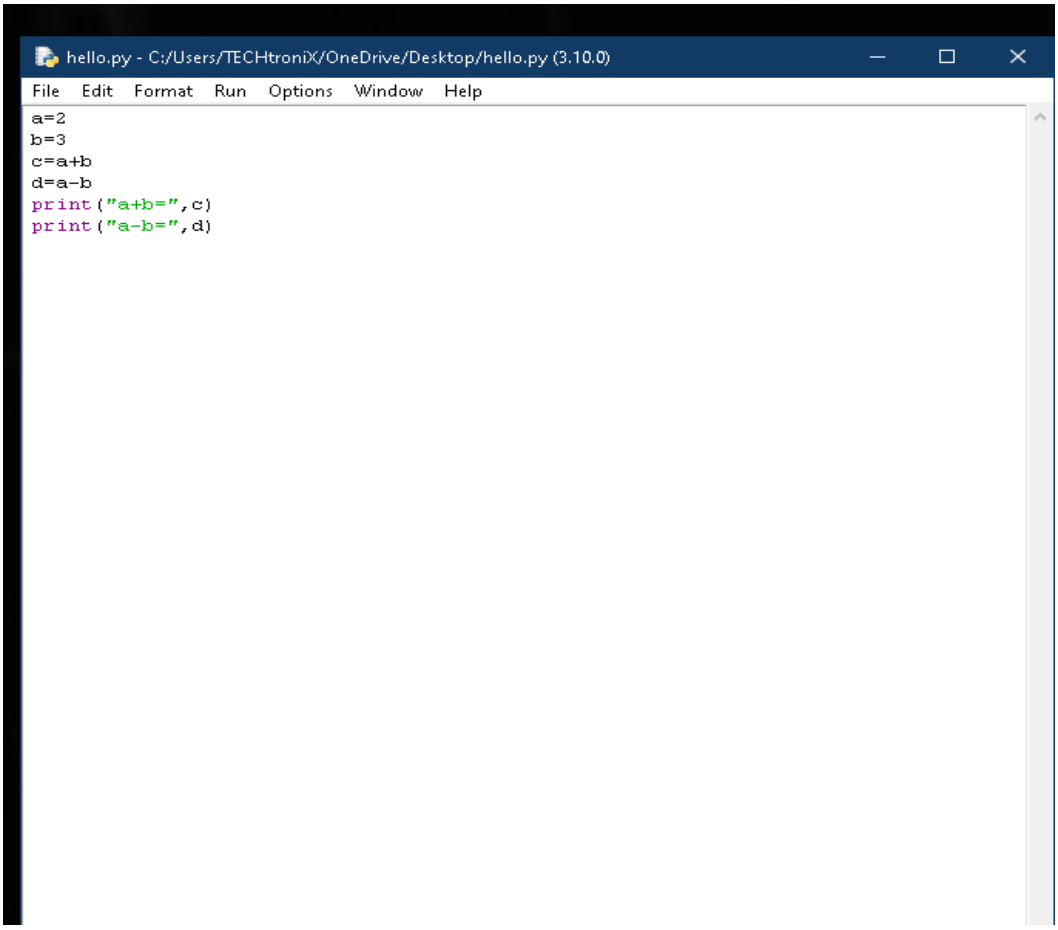
a=2

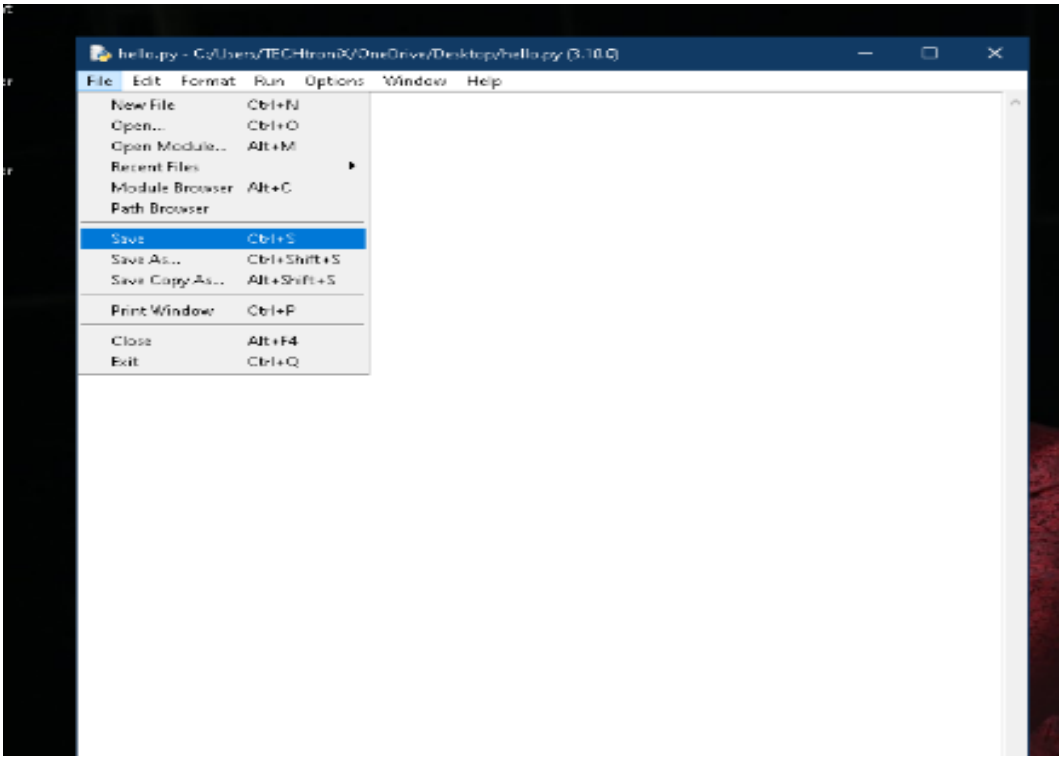
b=3

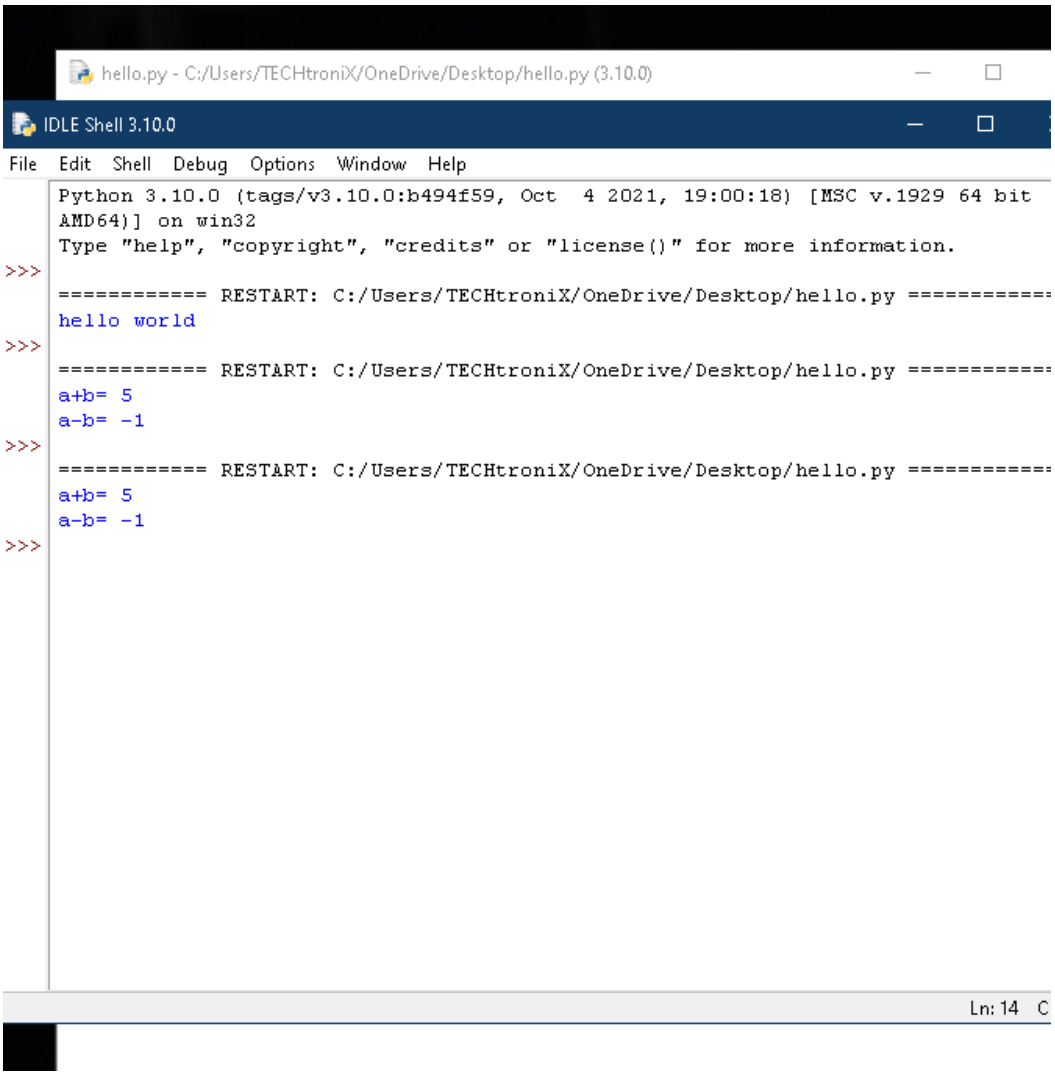
c=a+b ,here simply c value will be sum of a and b

print(c)

output:- 5


hello.py - C:/Users/TECHtroniX/OneDrive/Desktop/hello.py (3.10.0)
File Edit Format Run Options Window Help
a=2
b=3
c=a+b
d=a-b
print("a+b=",c)
print("a-b=",d)


hello.py - C:/Users/TECHtroniX/OneDrive/Desktop/hello.py (3.10.0)
File Edit Format Run Options Window Help
New File Ctrl+N
Open... Ctrl+O
Open Module... Alt+M
Recent Files
Module Browser Alt+C
Path Browser
Save Ctrl+S
Save As... Ctrl+Shift+S
Save Copy As... Alt+Shift+S
Print Window Ctrl+P
Close Alt+F4
Exit Ctrl+Q


hello.py - C:/Users/TECHtroniX/OneDrive/Desktop/hello.py (3.10.0)
IDLE Shell 3.10.0
File Edit Shell Debug Options Window Help
Python 3.10.0 (tags/v3.10.0:b494f59, Oct 4 2021, 19:00:18) [MSC v.1929 64 bit AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/TECHtroniX/OneDrive/Desktop/hello.py ==========
hello world
>>>
========== RESTART: C:/Users/TECHtroniX/OneDrive/Desktop/hello.py ==========
a+b= 5
a-b= -1
>>>
========== RESTART: C:/Users/TECHtroniX/OneDrive/Desktop/hello.py ==========
a+b= 5
a-b= -1
>>>
Ln: 14 C