

Experiment No.: BMAT - 003L - 1

Aim: Tool Installation and Building a simple app from scratch. Test a basic python program in both script and interactive mode.

Python comes with an inbuilt package management system, pip. Pip can install, update, or delete any official package.

You can install packages via the command line by entering:

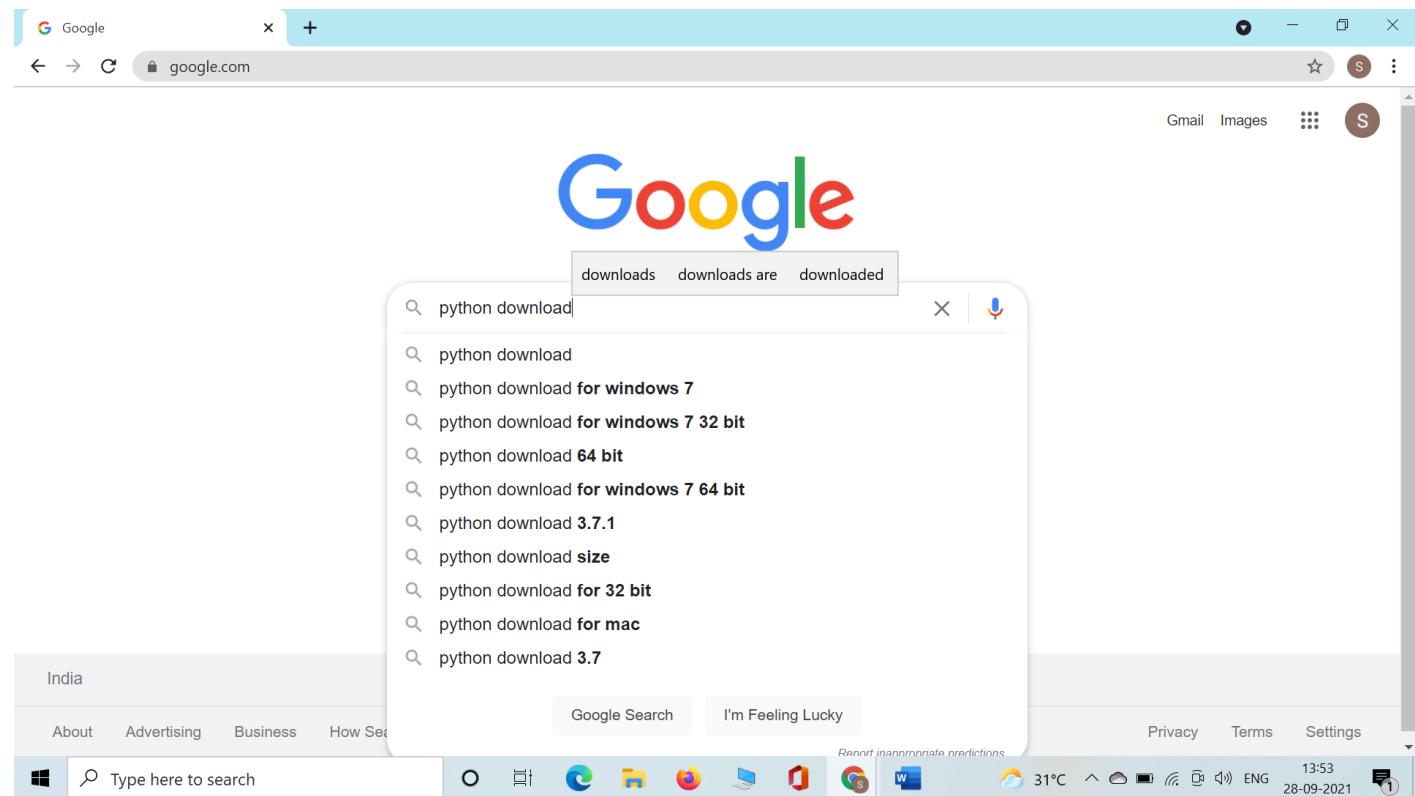
```
python -m pip install --user numpy scipy matplotlib ipython jupyter pandas sympy nose
```

Python: Version 3.9.7

Python Official Website: <https://www.python.org>

Downloading

1. Open chrome browser and search ‘Python download’



2. Click on the first link which is the official link of python

python download - Google Search

python download

All Books News Videos Images More Tools

About 51,10,00,000 results (0.41 seconds)

[https://www.python.org › downloads](https://www.python.org/downloads/) ::

Download Python

Download the latest version of Python. **Download Python 3.9.7.** Looking for Python with a different OS? **Python** for Windows, Linux/UNIX, macOS, Other.

Python Releases for Windows **3.9.7**
Note that Python 3.7.12 cannot be used on Windows XP or earlier ...

Python 3.9.5 **3.7.9**
Python 3.9.5 is the newest major release of the Python ...

3.8.10 **3.9.6**
There are now "web-based" installers for Windows ...

[More results from python.org »](#)

3. Click on the 'Download'

Download Python | Python.org

python.org/downloads/

Python PSF Docs PyPI Jobs Community

python™

Donate Search GO Socialize

About Downloads Documentation Community Success Stories News Events

Download

Download Python

Looking for Python
Linux/UNIX, macOS

Want to help test
Docker images

Looking for Python

All releases

Source code

Windows

macOS

Other Platforms

License

Alternative Implementations

Download for Windows

Python 3.9.7

Note that Python 3.9+ cannot be used on Windows 7 or earlier.

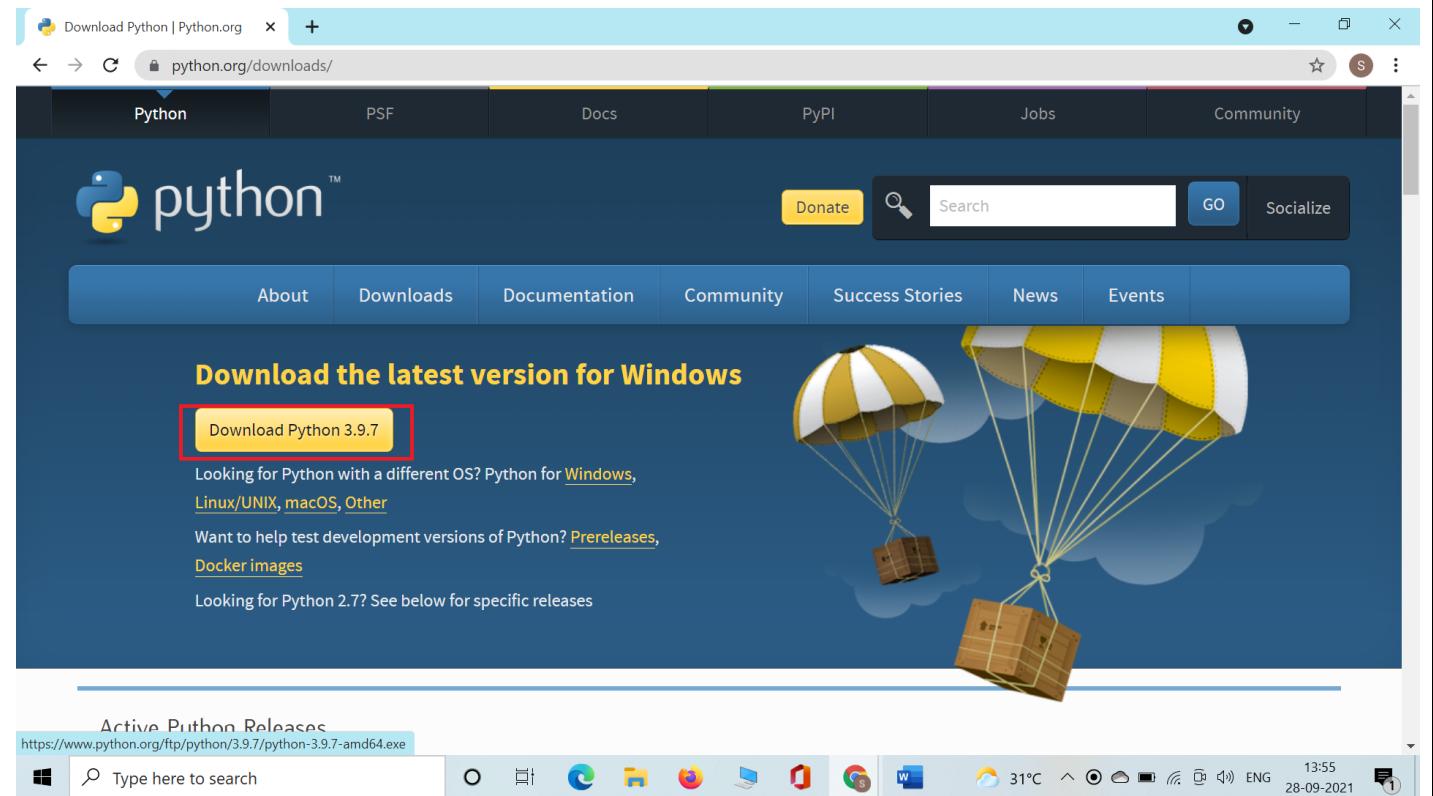
Not the OS you are looking for? Python can be used on many operating systems and environments.

[View the full list of downloads.](#)

Active Python Releases

https://www.python.org/downloads/

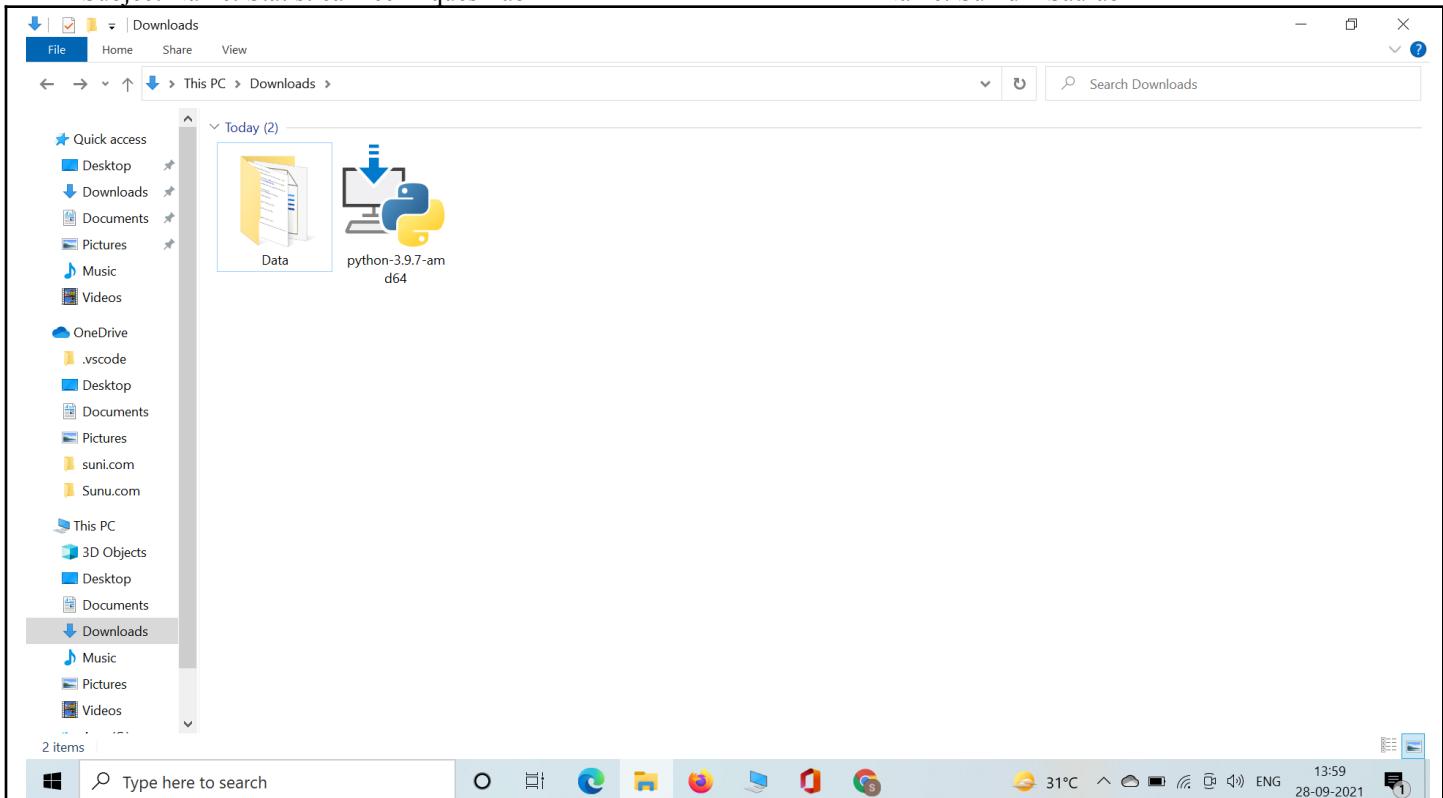
4. Now click on the Python 3.9.7 (Python version may be change)



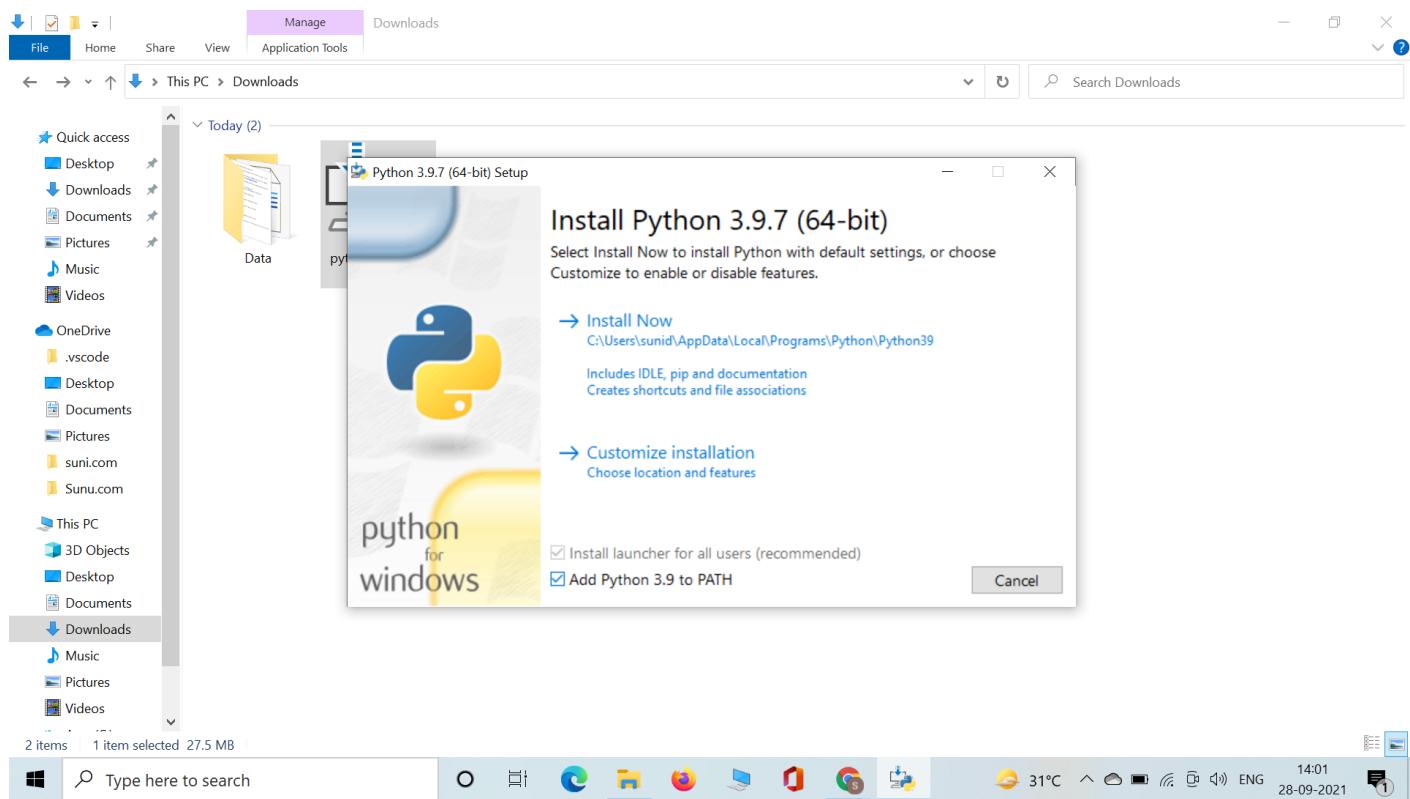
Now, downloading will start

Installing

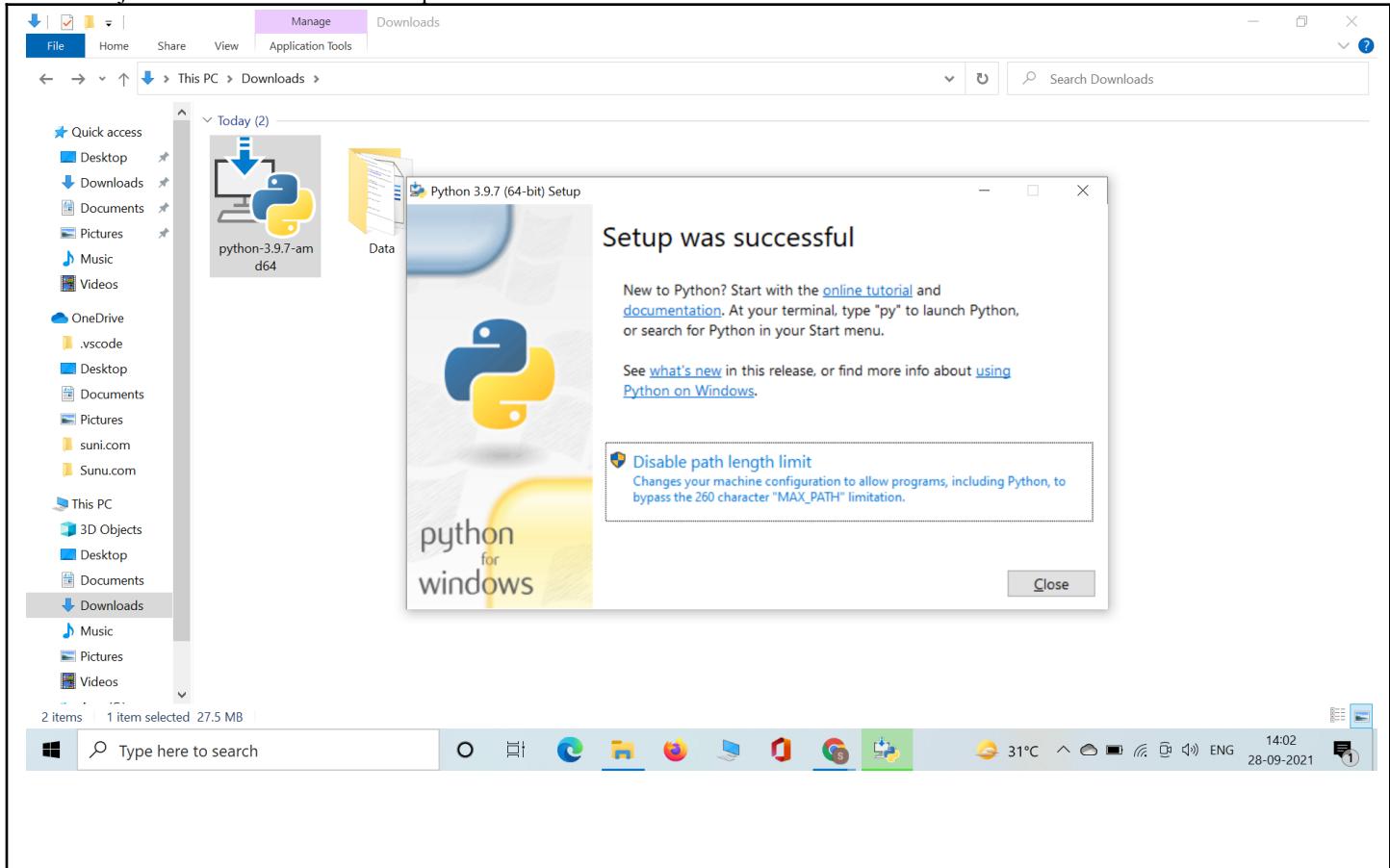
1. Double click on the downloaded Python file



2. Click on the Install Now (With check on the 'Add Python 3.9 to PATH')

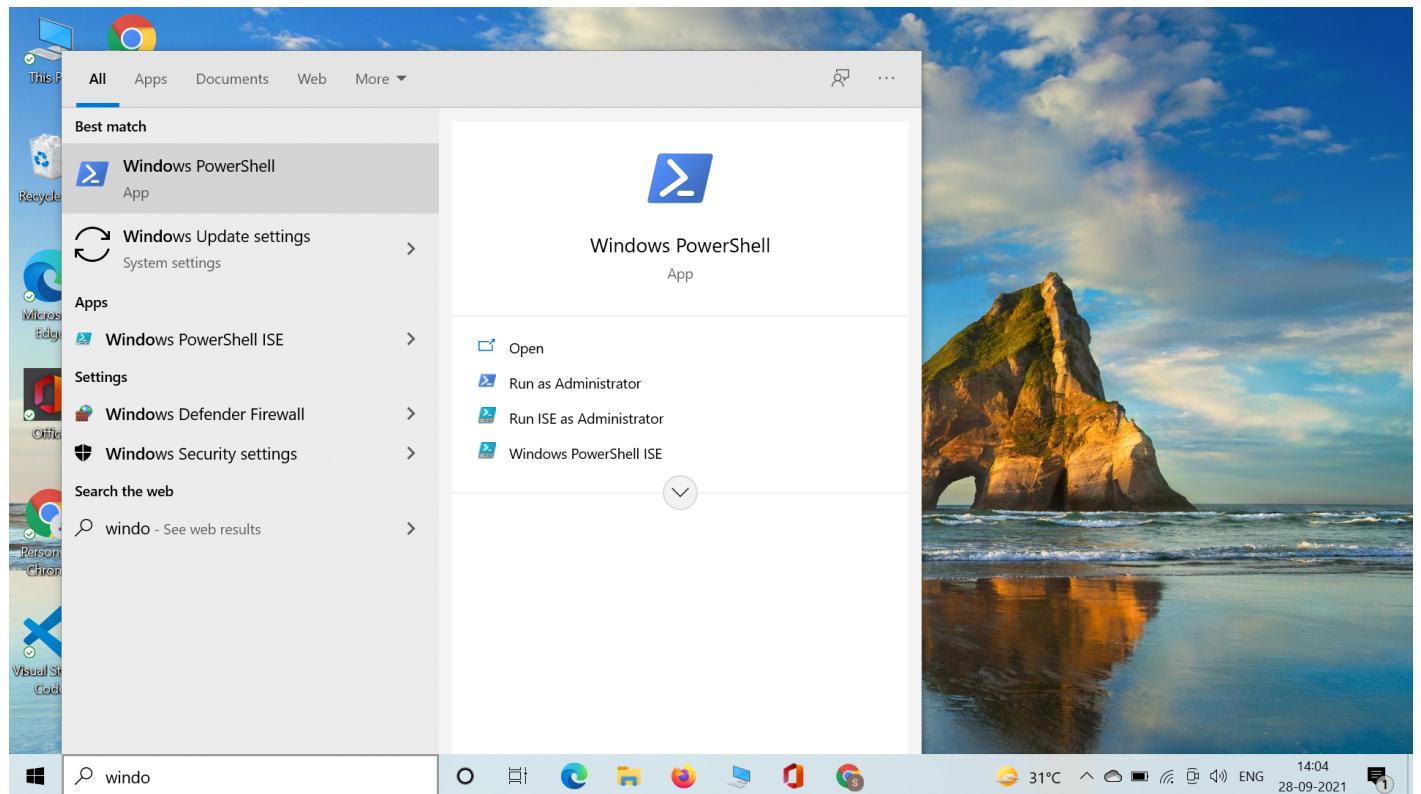


3. Click on the close if installation complete



Verifying

1. Open 'Windows Powershell' or 'Command Prompt'



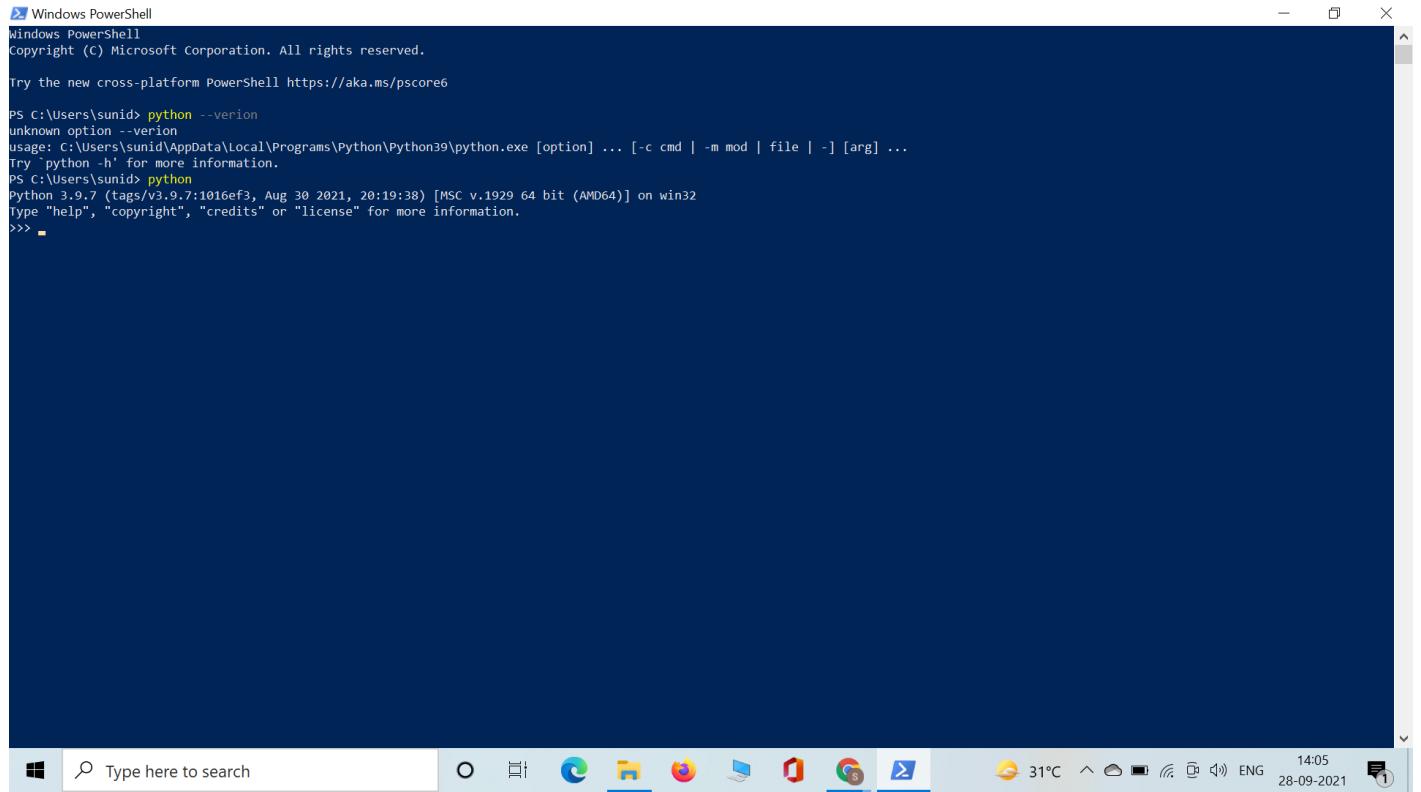
2. To check python version type ‘python --version’ and press enter

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\sunid> python --verion
unknown option --verion
usage: C:\Users\sunid\AppData\Local\Programs\Python\Python39\python.exe [option] ... [-c cmd | -m mod | file | -] [arg] ...
Try "python -h" for more information.
PS C:\Users\sunid>
```

3. To execute the python type 'Python'



A screenshot of a Windows PowerShell window titled "Windows PowerShell". The window shows the following command and its output:

```
PS C:\Users\sunidh> python --verion
unknown option --verion
usage: C:\Users\sunidh\AppData\Local\Programs\Python\Python39\python.exe [option] ... [-c cmd | -m mod | file | -] [arg] ...
Try "python -h" for more information.
PS C:\Users\sunidh> python
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> 
```

The PowerShell window is set against a dark blue background. Below the window, the Windows taskbar is visible, featuring the Start button, a search bar with placeholder text "Type here to search", and icons for various applications like File Explorer, Edge, and Mail. On the far right of the taskbar, system status icons show the date (28-09-2021), time (14:05), temperature (31°C), battery level, signal strength, and language settings.

4. Execute **exit()** to return in Windows PowerShell

```
Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\sumid> python --verion
unknown option --verion
usage: C:\Users\sumid\AppData\Local\Programs\Python\Python39\python.exe [option] ... [-c cmd | -m mod | file | -] [arg] ...
Try `python -h` for more information.
PS C:\Users\sumid> python
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()
PS C:\Users\sumid>
```

