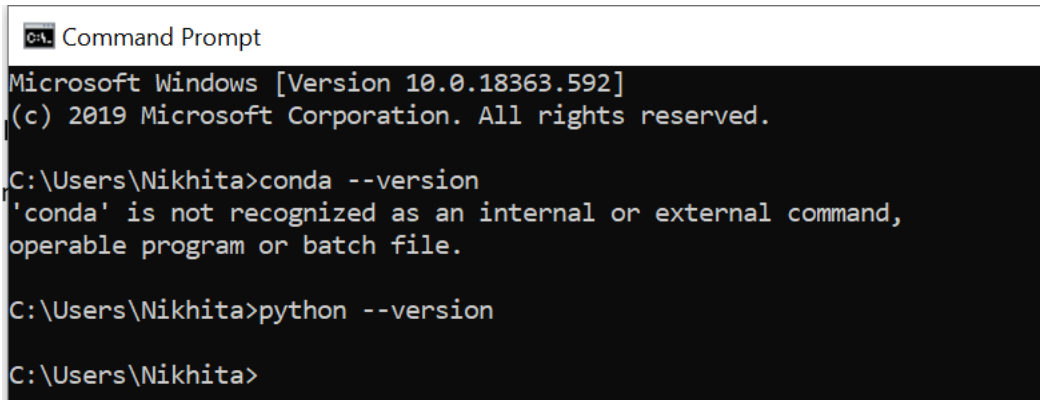


Anaconda Installation Guide

Step 1: Install Anaconda <https://www.anaconda.com/distribution/#windows>

Step 2: Open cmd and check for conda and python installations



```
Command Prompt
Microsoft Windows [Version 10.0.18363.592]
(c) 2019 Microsoft Corporation. All rights reserved.

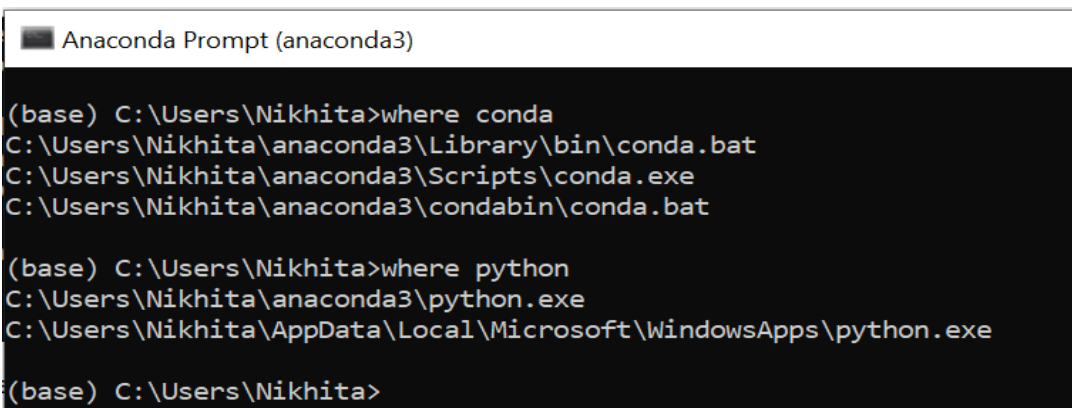
C:\Users\Nikhita>conda --version
'conda' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Nikhita>python --version

C:\Users\Nikhita>
```

The path is not recognized above, we must add the path in the environmental variables.

To check for the path, open *Anaconda Prompt* and type below commands:



```
Anaconda Prompt (anaconda3)

(base) C:\Users\Nikhita>where conda
C:\Users\Nikhita\anaconda3\Library\bin\conda.bat
C:\Users\Nikhita\anaconda3\Scripts\conda.exe
C:\Users\Nikhita\anaconda3\condabin\conda.bat

(base) C:\Users\Nikhita>where python
C:\Users\Nikhita\anaconda3\python.exe
C:\Users\Nikhita\AppData\Local\Microsoft\WindowsApps\python.exe

(base) C:\Users\Nikhita>
```

Step 3: Save Path in Environment Variables

Consider the .exe files from both commands above and save it in Path of system variables

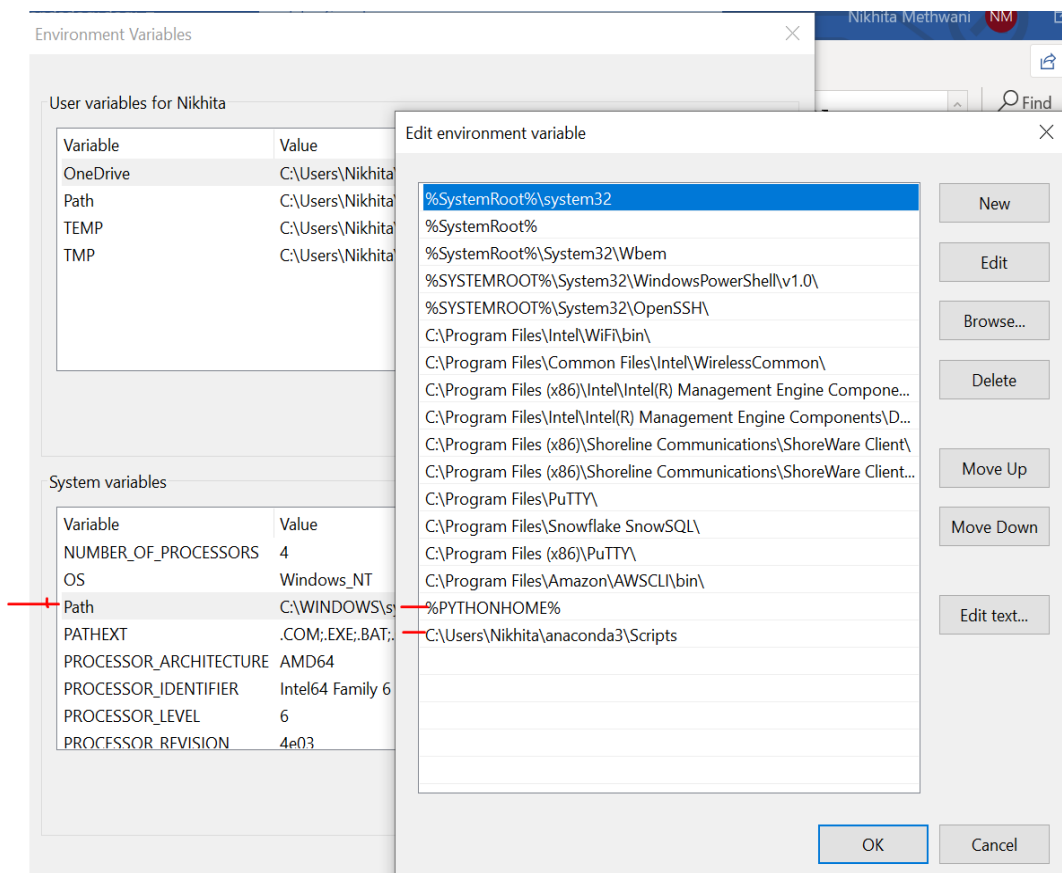
C:\Users\Nikhita\anaconda3

C:\Users\Nikhita\anaconda3\Scripts

1) Create a variable “PYTHONHOME” and copy “C:\Users\Nikhita\anaconda3”

System variables	
Variable	Value
PROCESSOR_LEVEL	6
PROCESSOR_REVISION	4e03
PSModulePath	%ProgramFiles%\WindowsPowerShell\Modules;C:\WINDOWS\sy...
PYTHONHOME	C:\Users\Nikhita\anaconda3
TEMP	C:\WINDOWS\TEMP
TMP	C:\WINDOWS\TEMP
USERNAME	SYSTEM
windir	C:\WINDOWS

2) In Path of System Variables: Add the paths highlighted below:



Run the commands in cmd to check if it is being recognized now, we can see it reflecting now:

```
C:\Users\Nikhita>conda --version
conda 4.8.2

C:\Users\Nikhita>python --version
Python 3.7.6

C:\Users\Nikhita>
```

Step 4: Run Jupyter Notebook from Terminal

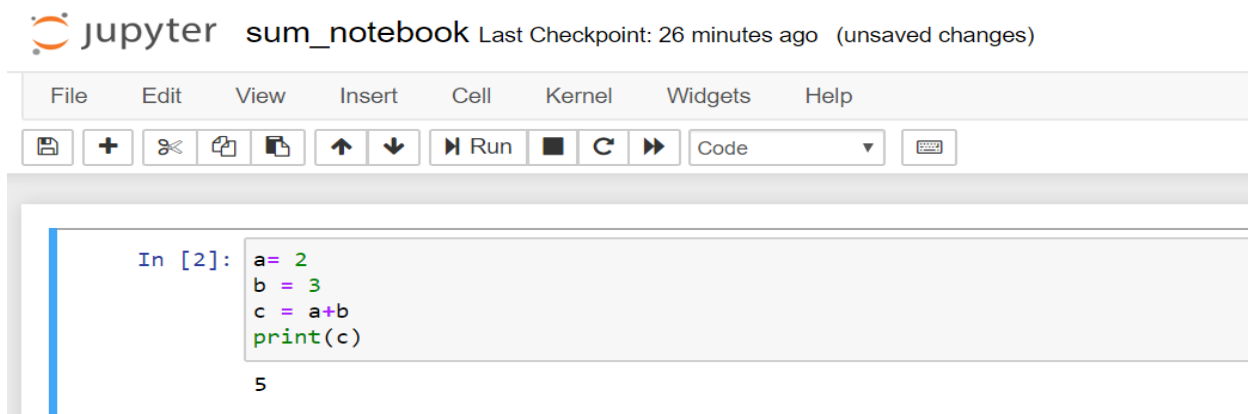
Open *Anaconda Prompt*: It creates a host which will directly open the Jupyter notebook

```
Anaconda Prompt (anaconda3) - jupyter notebook

(base) C:\Users\Nikhita>jupyter notebook
[I 08:16:53.770 NotebookApp] The port 8888 is already in use, trying another port.
[I 08:16:53.863 NotebookApp] JupyterLab extension loaded from C:\Users\Nikhita\anaconda3\lib\site-packages\jupyterlab
[I 08:16:53.863 NotebookApp] JupyterLab application directory is C:\Users\Nikhita\anaconda3\share\jupyter\lab
[I 08:16:53.879 NotebookApp] Serving notebooks from local directory: C:\Users\Nikhita
[I 08:16:53.879 NotebookApp] The Jupyter Notebook is running at:
[I 08:16:53.879 NotebookApp] http://localhost:8889/?token=9eac185fcd54ca66ab30fb78cdf53b4f3cd4b3442391b0e0
[I 08:16:53.879 NotebookApp] or http://127.0.0.1:8889/?token=9eac185fcd54ca66ab30fb78cdf53b4f3cd4b3442391b0e0
[I 08:16:53.879 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 08:16:53.957 NotebookApp]

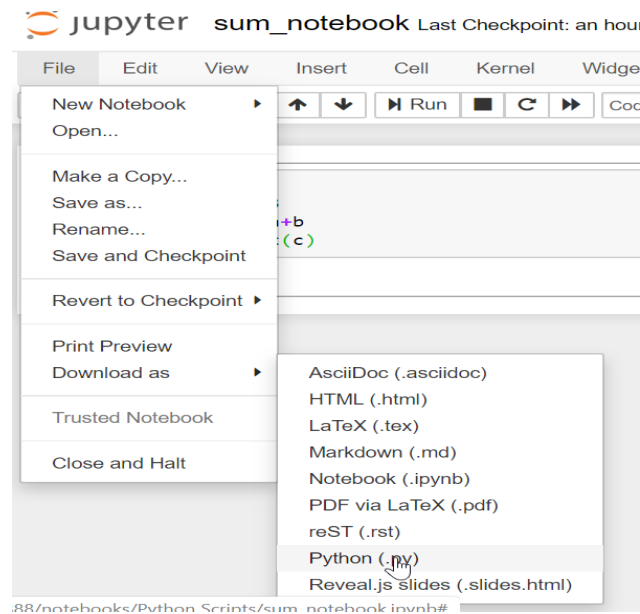
To access the notebook, open this file in a browser:
file:///C:/Users/Nikhita/AppData/Roaming/jupyter/runtime/nbserver-8548-open.html
Or copy and paste one of these URLs:
http://localhost:8889/?token=9eac185fcd54ca66ab30fb78cdf53b4f3cd4b3442391b0e0
or http://127.0.0.1:8889/?token=9eac185fcd54ca66ab30fb78cdf53b4f3cd4b3442391b0e0
```

Create a python notebook (eg:sum_notebook) and save it

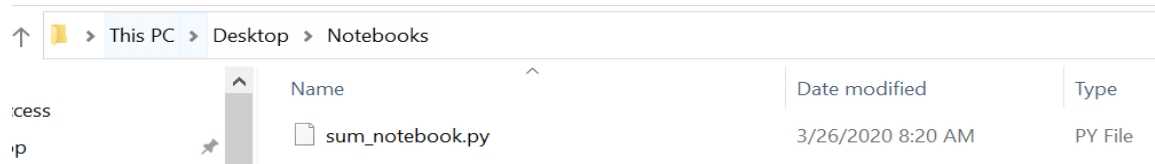


Step 5: Running python notebooks from terminal

Download the notebook as “.py” file in a location eg → C:\Users\Nikhita\Desktop\Notebooks

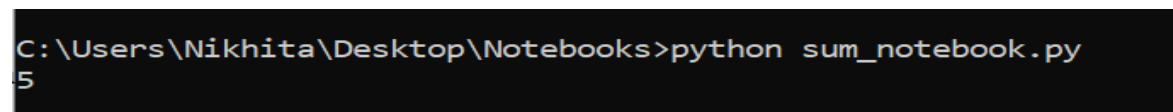


Open cmd: run the notebook by specifying the path of notebook



Type **python “notebook_name” .py** command.

The command runs the notebook and displays results at the output



Step 6: Coding Python from Terminal

From the cmd use command **Ipython**.

It will start up the python environment to code:

```
C:\Users\Nikhita>ipython
C:\Users\Nikhita\anaconda3\lib\site-packages\IPython\core\history.py:226: UserWarning: Your
your history will not be saved
  warn("IPython History requires SQLite, your history will not be saved")
Python 3.7.6 (default, Jan  8 2020, 20:23:39) [MSC v.1916 64 bit (AMD64)]
Type 'copyright', 'credits' or 'license' for more information
IPython 7.12.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: a =2

In [2]: b =3

In [3]: c = a + b

In [4]: c
Out[4]: 5
```