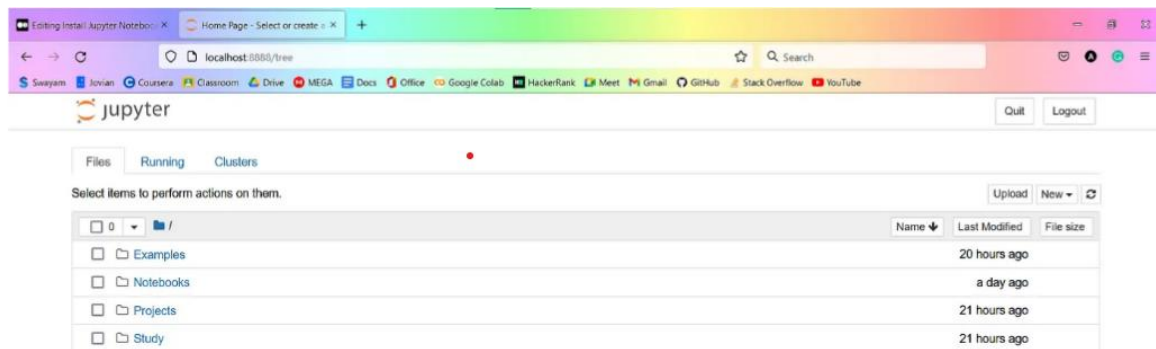


Python Lab- Jupyter Notebook Installation

To download and install Jupyter Notebook:

1. Download the latest version of Python from Python.org
2. Run the Python executable file and accept the permissions
3. Open the command prompt or powershell and run the command `pip install jupyter notebook`
4. Create a shortcut on your desktop
5. Change the icon
6. Change the starting directory



STEP 1 — Installing Python

Go to <https://www.python.org/downloads/> and download the latest version of the python

After downloading it ,run the “.exe” (python executable) file and accept all the permissions and if you are a beginner then don’t change the default settings. Make sure while installation to hit “ADD PYTHON TO PATH” button otherwise you have to manually add the python path.

STEP 2 — Installing Jupyter Notebook Using Pip

Open your command prompt(Type “cmd” in search box) or powershell and run the following command in order to install jupyter notebook.It can take a few minutes to install so till then grab a coffee.

```
pip install jupyter notebook
```

Now we have jupyter notebook installed in our system.To check whether we have correctly installed it or not type the following command and if something pops up in the browser then congrats we have done it successfully and if you are not able to do so then make sure to implement the above steps properly.

```
jupyter notebook
```

STEP 3 — CREATING A JUPYTER NOTEBOOK SHORTCUT

Go to Desktop press right button of the mouse and a Context menu will pop up.Click

New ->Shortcut


When you click on it ,it will ask for a location in which you have to enter the location of the “cmd.exe” or “powershell.exe”.Now i will use “powershell.exe” as my terminal to open jupyter notebook so i have to type the full path of “powershell.exe” which is following in my system and there are high chances that you also have the same path of the file.

C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe

Now if you don't find the powershell.exe file in this location (which is quite rare) then google it where you can find it.

Now copy and paste the "powershell.exe" file path and type "jupyter notebook" after it. So in short you have to copy paste the following line in the location:

C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe jupyter notebook

←  Create Shortcut

What item would you like to create a shortcut for?

This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.

Type the location of the item:

system32\WindowsPowerShell\v1.0\powershell.exe jupyter notebook

Browse...

Click Next to continue.

After entering it click next and then enter the name as **Jupyter Notebook**. Click Finish .

Now you will see a icon named as Jupyter Notebook which has the icon of powershell in it. Also when we run it ,it starts in the "C:\Windows\System32\WindowsPowerShell\v1.0" which we don't want so in the next step i will show you how to change icon as well as the directory .

STEP 4 — CHANGING ICON

Go to <https://icon-icons.com/icon/jupyter-logo/169452>

Download the **ico** file of the icon. Note that the file should be of only .ico extension so download carefully or you can also go to this [Github Repository](#) and download the file.

Rename the file icon to "JupyterNotebook.ico"

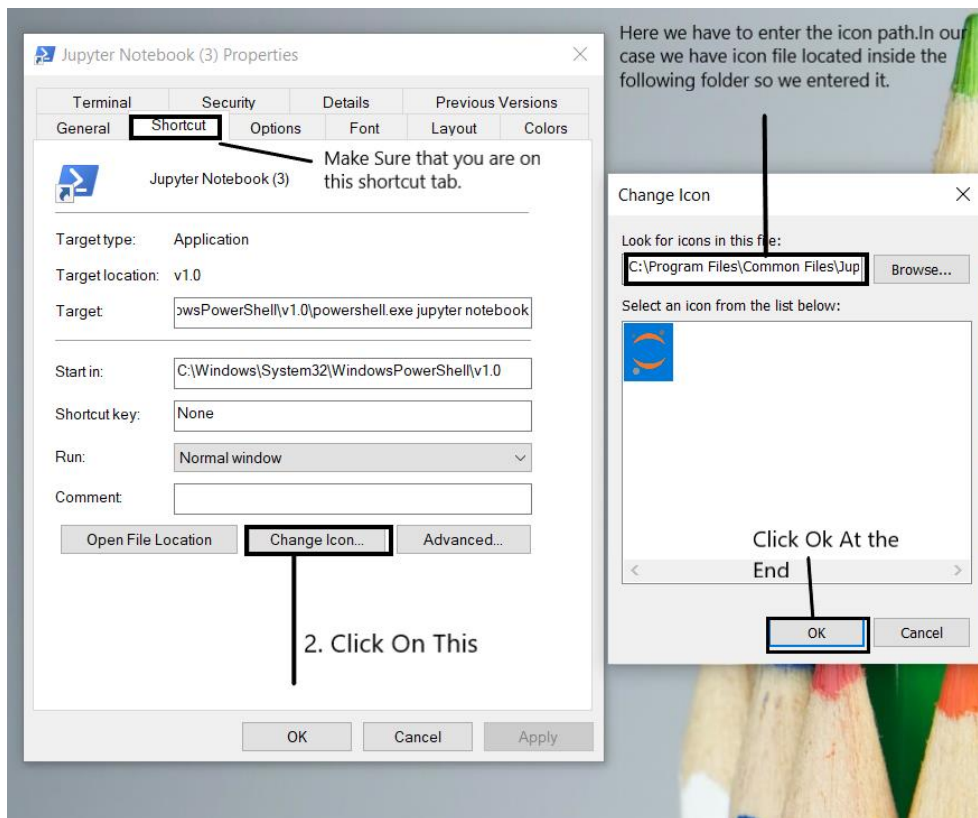
There are two options now :- First you let the file icon in your downloads folder and Second you move it in a directory which you generally don't use. Now i prefer the second one because we will not be using this icon file for other purpose, we just need a path of where it is stored. So i would recommend **move it** inside the following folder:-

C:\Program Files\Common Files

Now go to the Desktop and right click on the icon of Jupyter Notebook that we have created and go to properties, we will get a shortcut tab and inside that there is an option of "Change File Icon" . Click on it and then copy paste the following line in the "Look for icons in this file" section :

C:\Program Files\Common Files\JupyterNotebook.ico

If you don't want to change the folder of your file icon then simply copy the full path of the file and paste it.



We have successfully changed the file icon now.

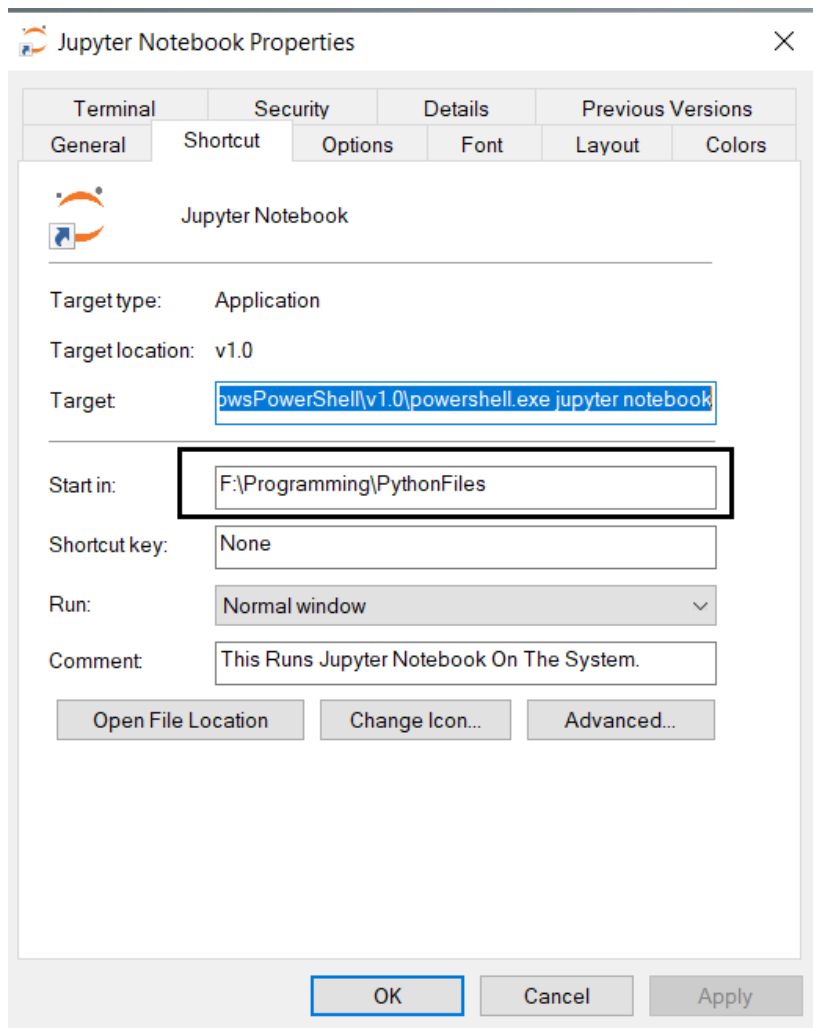
STEP5 — CHANGING THE STARTING DIRECTORY

This is really easy and everyone's working directory of python is different and different people have different choices of start directory of jupyter notebook. So i will show you how I have set up my jupyter starting directory and based on it you just have to change the the path to directory in which you want to work with.

Now I want my jupyter notebook run in the following directory:-

F:\Programming\PythonFiles

So to do that all i need is to again right click on the jupyter notebook icon, go to properties and there is an option of "Start in", just put the path of the directory in which you want your jupyter notebook to start and click ok.



Change It To Your Python Working Directory

So Congratulations you now also have a jupyter notebook installed without anaconda and have customized starting directory with an icon.

Video: https://www.youtube.com/watch?v=pPTLH8_4_6c