

Module 2: Setting the working directory in Python

contributed by

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Steps to set the working directory in Jupyter notebook

This module focuses on setting the working directory that contains the data folder in the Jupyter notebook.

Method 1: Using 'os' module:

Prerequisite:

Create a folder with the name **Lab Migration** in the PC, as shown in Figure 1.

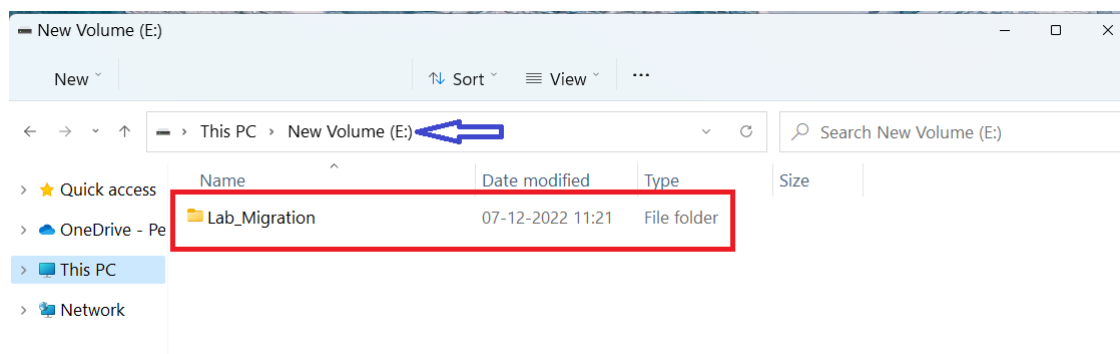


Figure 1: Lab Migration folder created in the E drive.

To set the **Lab Migration** folder as the working directory, use 'os' module in Jupyter notebook as shown below:

Step 1. 'os' module is imported by the command 'import os'. To execute it click 'Run' shown in Figure 2.

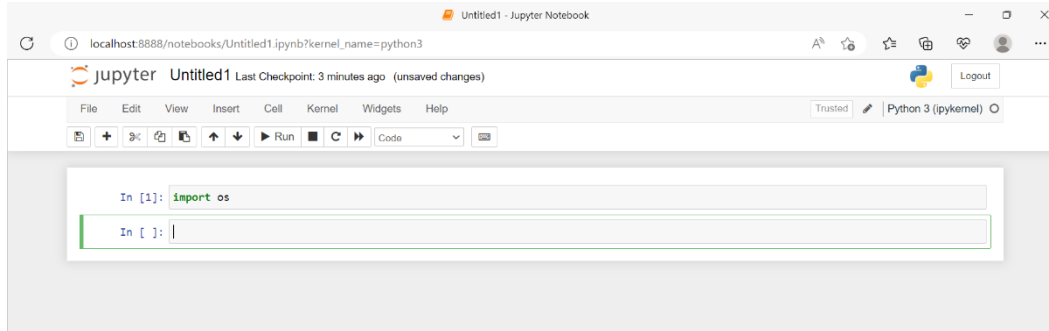


Figure 2: *import os* module in jupyter notebook.

Step 2. The current working directory information can be fetched using the command 'os.getcwd()' and click the run as shown in Figure 3.

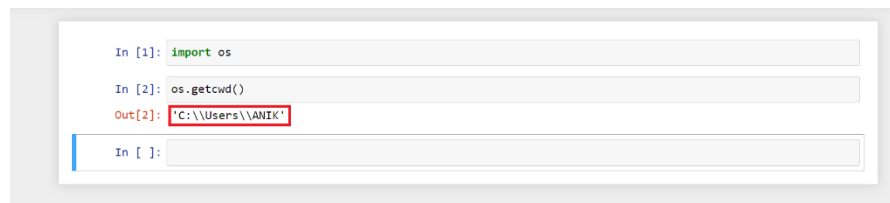


Figure 3: *Getting current Working Directory* in the Jupyter notebook.

Step 3. Open the folder browser of the PC which contains the data folder. Then left click on the location tab will show a window as in Figure 4. Right click on Copy address.

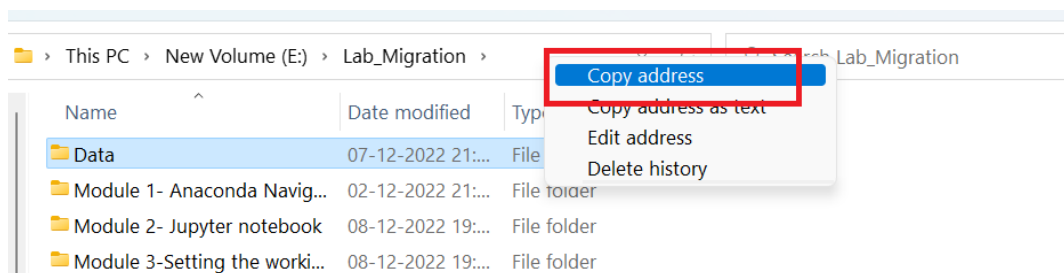


Figure 4: *Copy path address of the file.*

Step 4. The 'os.chdir("<path>")' command changes the current working directory as shown in Figure 5. One typically paste the copied address (from Step 3) in the path using Ctrl+V.

```
#method-1
os.chdir("E:\\Lab_Migration")
```

Now, let us check if the working directory is changed properly or not.

```
os.getcwd()
'E:\\Lab_Migration'
```

The working directory has been changed successfully.

Figure 5: Changing the working directory

Method 2: Using Conda PowerShell:

Anaconda PowerShell Prompt can also be used to set the working directory.

Step 1: In the Anaconda navigator, click the 'Launch' button on 'PowerShell Prompt' as shown in Figure 8. This will open the terminal as shown in Figure 9 with default current working directory.

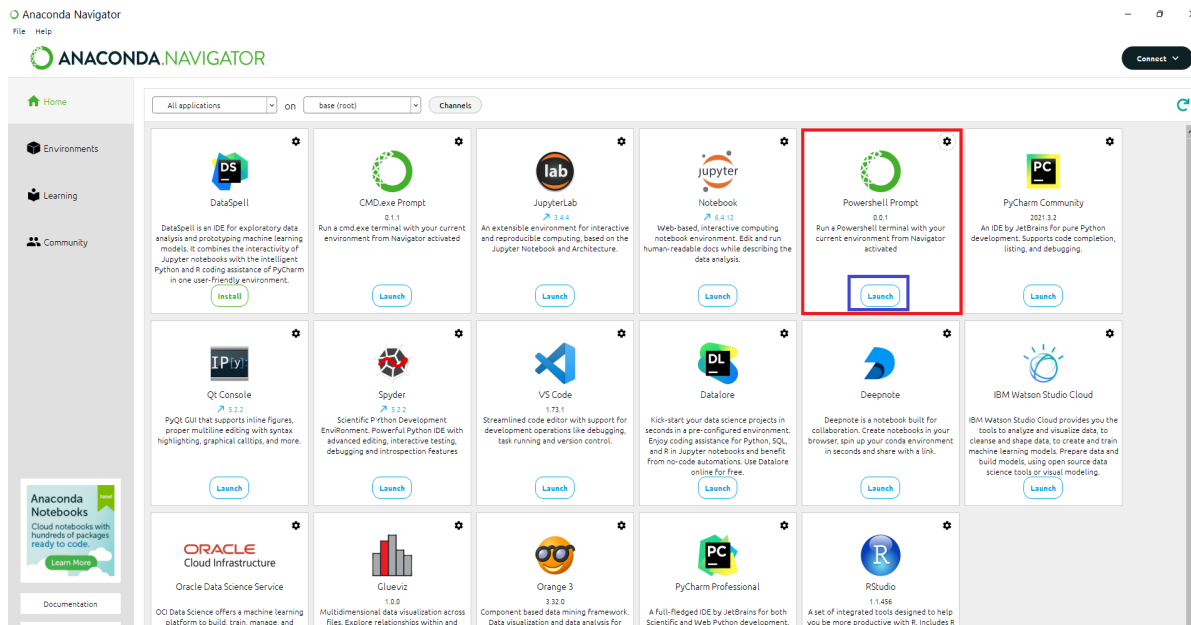


Figure 8: PowerShell in the Anaconda Navigator.



Figure 9: The terminal window

Alternative to Step 1. The terminal can be opened from the environment tab as shown in Figure 9.

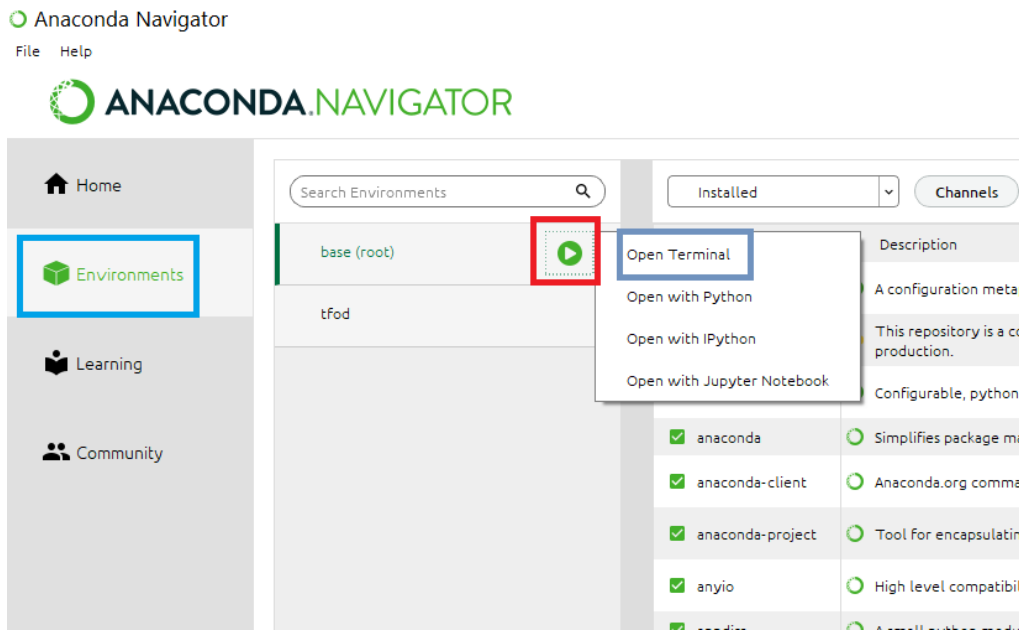


Figure 10: Opening a terminal from environment tab

Step 2: First choose the drive by typing 'E:' and then enter on the terminal. Figure 11 shows a glimpse of that.

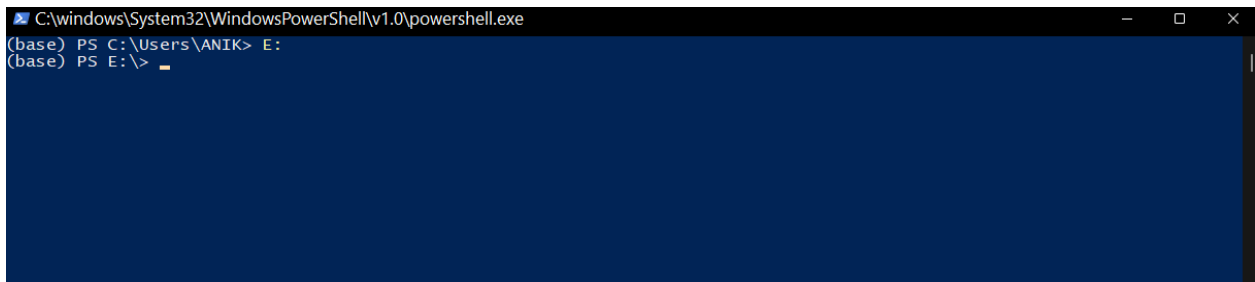


Figure 11: Drive changed from C to E

Step 3: Copy the path of the folder (as shown in Step 3 of Method 1) and paste it after 'cd'

command. Figure 12 and 13 shows screenshots of both the steps.

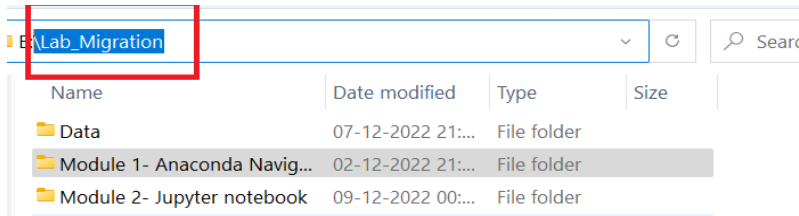


Figure 12: Copy the path of the folder



Figure 13: Paste the address after putting cd

Step 4: Type Jupyter notebook on the terminal. It will launch the Jupyter notebook with the desired working directory. Figure 14, 15 and 16 exhibit the completion of the process.



Figure 14: Launching Jupyter notebook from anaconda prompt

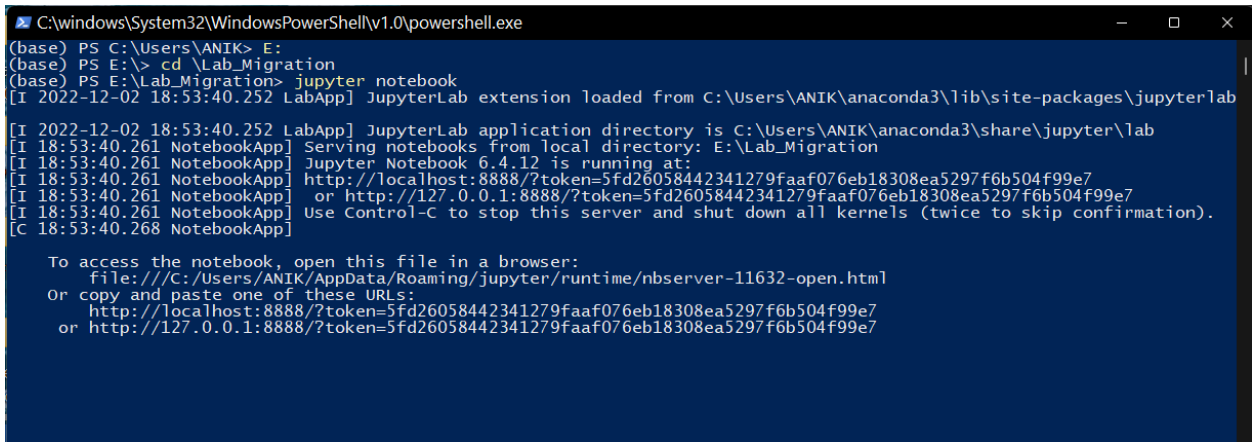


Figure 15: Final screen before launching the notebook

Select items to perform actions on them.

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<input type="checkbox"/>	📁		Module 1-Getting started with Jupyter notebook		2 days ago	
<input type="checkbox"/>	📁		Module 2-Setting the working directory		2 days ago	

Figure 16: Jupyter notebook launched in the folder