SQL WITH PYTHON

CONNECT DATABASE WITH PYTHON

USE JUPYTER NOTEBOOK

STEPS

- OPEN IDLE-PYTHON

➢ Write import mysql.connector as sql

➢ Mydb = sql.connector(host = “ localhost ”, user = “root ”, password = “password”, use_pure = True)

➢ Print(mydb)

SQL --> JUPYTER

- Go to Browser and search Anaconda
- Install Anaconda
- After installation search anaconda in your system and open prompt
- And writ “conda info” to check information about Anaconda
- Write “jupyter notebook”

Anaconda Powershell Prompt

```
(base) PS C:\Users\dell> conda info

     active environment : base
    active env location : C:\Users\dell\anaconda3
            shell level : 1
       user config file : C:\Users\dell\.condarc
 populated config files :
          conda version : 23.5.2
    conda-build version : 3.25.0
         python version : 3.11.3.final.0
       virtual packages : __archspec=1=x86_64
                          __win=0=0
       base environment : C:\Users\dell\anaconda3  (writable)
      conda av data dir : C:\Users\dell\anaconda3\etc\conda
  conda av metadata url : None
           channel URLs : https://repo.anaconda.com/pkgs/main/win-64
                          https://repo.anaconda.com/pkgs/main/noarch
                          https://repo.anaconda.com/pkgs/r/win-64
                          https://repo.anaconda.com/pkgs/r/noarch
                          https://repo.anaconda.com/pkgs/msys2/win-64
                          https://repo.anaconda.com/pkgs/msys2/noarch
          package cache : C:\Users\dell\anaconda3\pkgs
                          C:\Users\dell\.conda\pkgs
                          C:\Users\dell\AppData\Local\conda\conda\pkgs
       envs directories : C:\Users\dell\anaconda3\envs
                          C:\Users\dell\.conda\envs
                          C:\Users\dell\AppData\Local\conda\conda\envs
               platform : win-64
             user-agent : conda/23.5.2 requests/2.29.0 CPython/3.11.3 Windows/10 Windows/10.0.19045
          administrator : False
             netrc file : None
           offline mode : False


(base) PS C:\Users\dell>
```

Anaconda Powershell Prompt

```
                          C:\Users\dell\AppData\Local\conda\conda\envs
              platform : win-64
            user-agent : conda/23.5.2 requests/2.29.0 CPython/3.11.3 Windows/10 Windows/10.0.19045
         administrator : False
            netrc file : None
          offline mode : False


(base) PS C:\Users\dell> jupyter notebook
[I 15:41:12.297 NotebookApp] Writing notebook server cookie secret to C:\Users\dell\AppData\Roaming\jupyter\runtime\notebook_cookie_se


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       |_|

Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions.

https://jupyter-notebook.readthedocs.io/en/latest/migrate_to_notebook7.html

Please note that updating to Notebook 7 might break some of your extensions.

[W 15:41:16.903 NotebookApp] Loading JupyterLab as a classic notebook (v6) extension.
[C 15:41:16.904 NotebookApp] You must use Jupyter Server v1 to load JupyterLab as notebook extension. You have v2.5.0 installed.
    You can fix this by executing:
        pip install -U "jupyter-server<2.0.0"
[I 15:41:22.545 NotebookApp] Serving notebooks from local directory: C:\Users\dell
[I 15:41:22.546 NotebookApp] Jupyter Notebook 6.5.4 is running at:
[I 15:41:22.548 NotebookApp] http://localhost:8888/?token=c05f0f5559424ac1d41566bca9097b580033f8ed40b63052
[I 15:41:22.552 NotebookApp]  or http://127.0.0.1:8888/?token=c05f0f5559424ac1d41566bca9097b580033f8ed40b63052
[I 15:41:22.553 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 15:41:22.711 NotebookApp]

    To access the notebook, open this file in a browser:
        file:///C:/Users/dell/AppData/Roaming/jupyter/runtime/nbserver-868-open.html
    Or copy and paste one of these URLs:
        http://localhost:8888/?token=c05f0f5559424ac1d41566bca9097b580033f8ed40b63052
     or http://127.0.0.1:8888/?token=c05f0f5559424ac1d41566bca9097b580033f8ed40b63052
This version of python seems to be incorrectly compiled
(internal generated filenames are not absolute).
This may make the debugger miss breakpoints.
Related bug: http://bugs.python.org/issue1666807
```
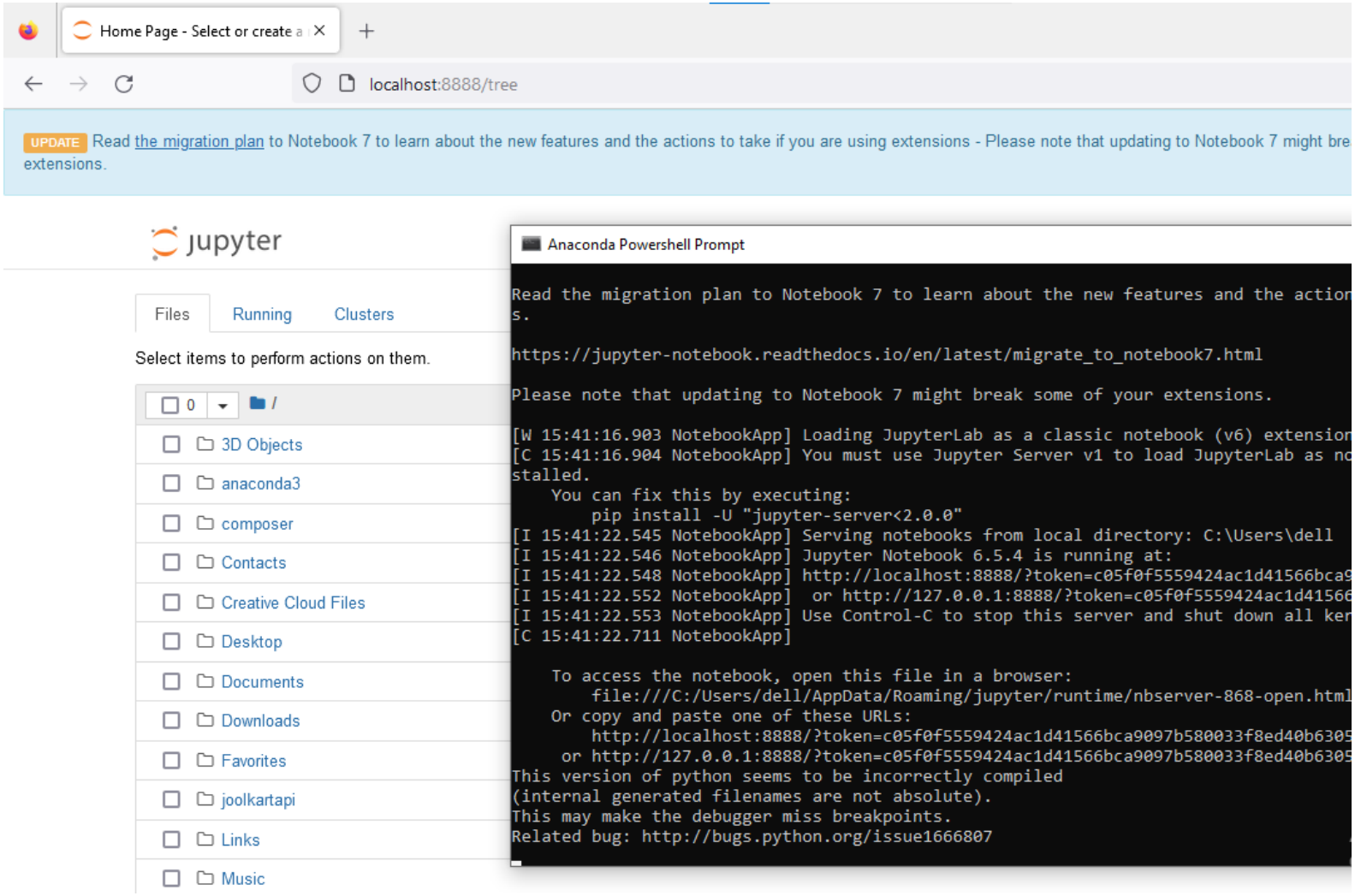
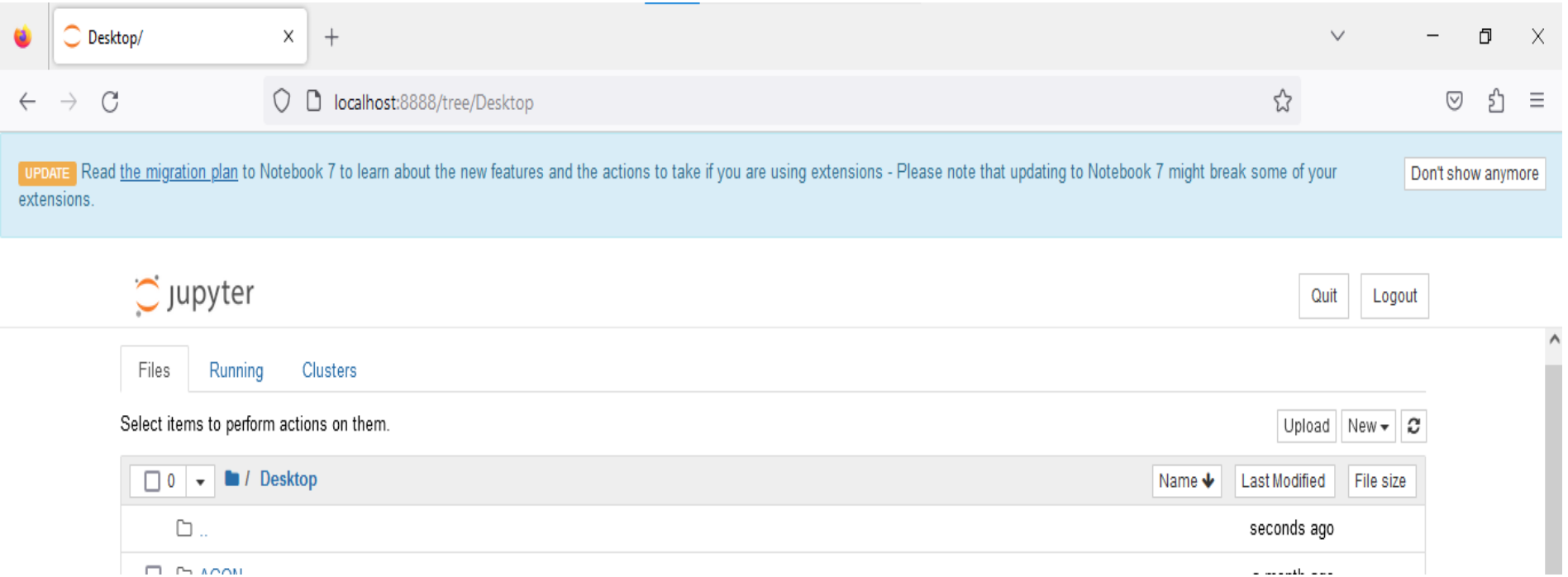

Once you write Jupyter Notebook -> jupyter notebook will open on your Browser

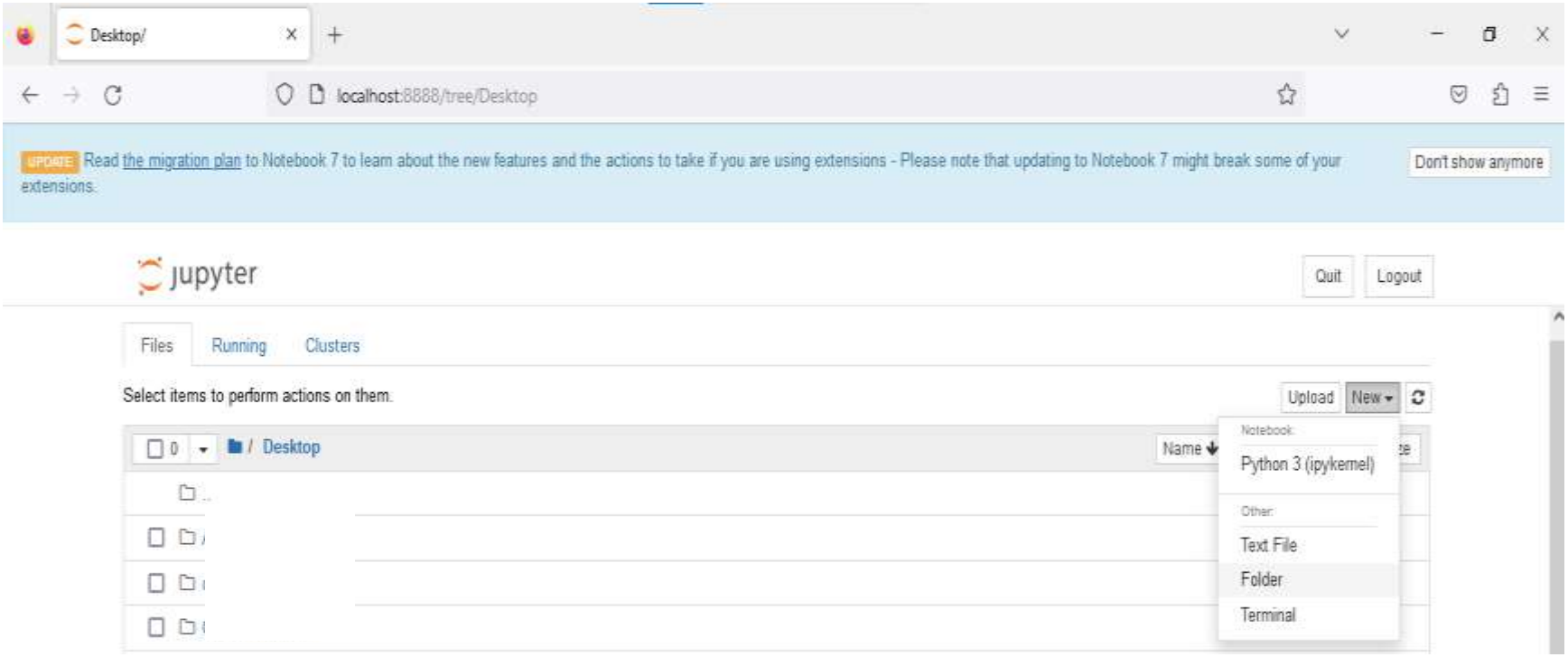


Sql commands in Jupyter

- Open jupyter notebook
- Select Desktop



Create new file

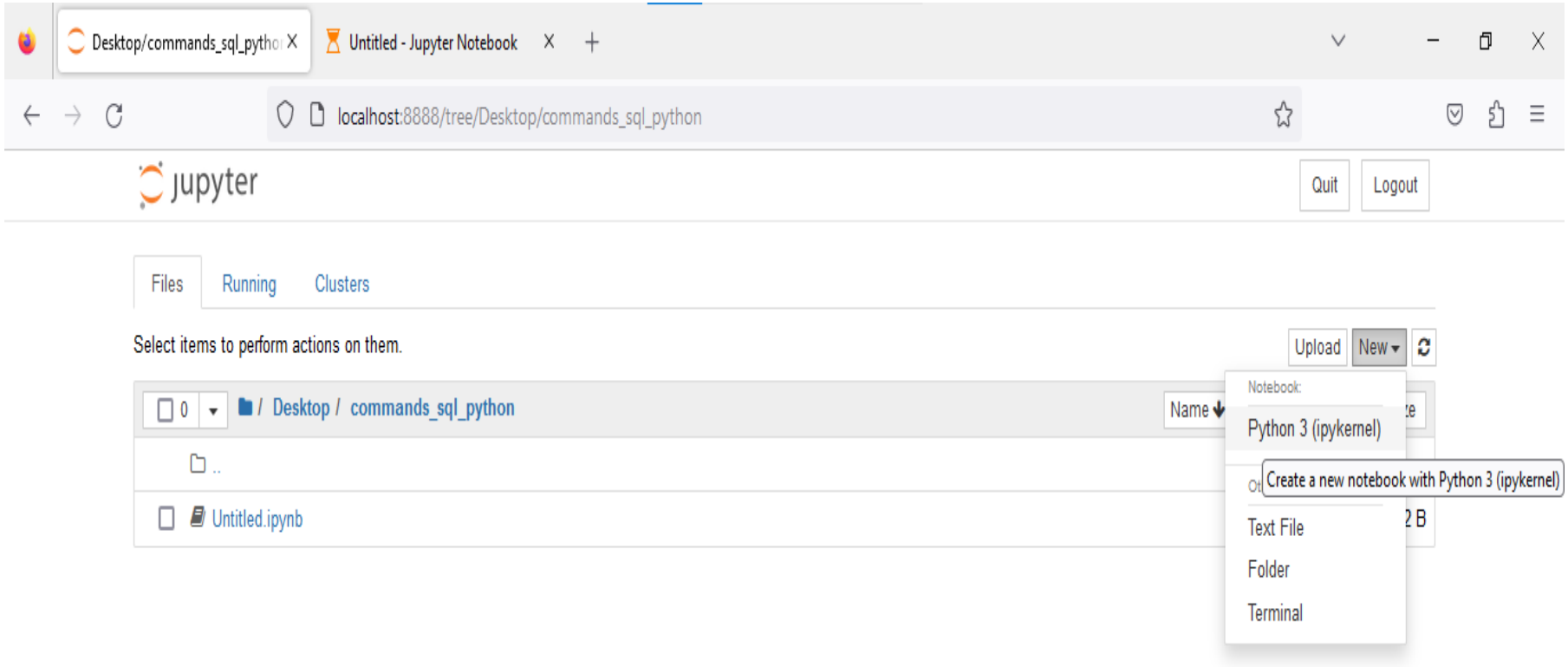


STEPS :- Go to right side click on "NEW" button and select 'Folder'

Rename it by selecting the folder from left side check box

After Rename open that folder

Create a new notebook with python extension(Go to New → Python 3(ipykernel)



- After that, write commands in jupyter and proceed all sql command

- For more understanding please follow the jupyter file

THE END