

Open Terminal:

Navigate to the directory where you have stored the lab files

Run:

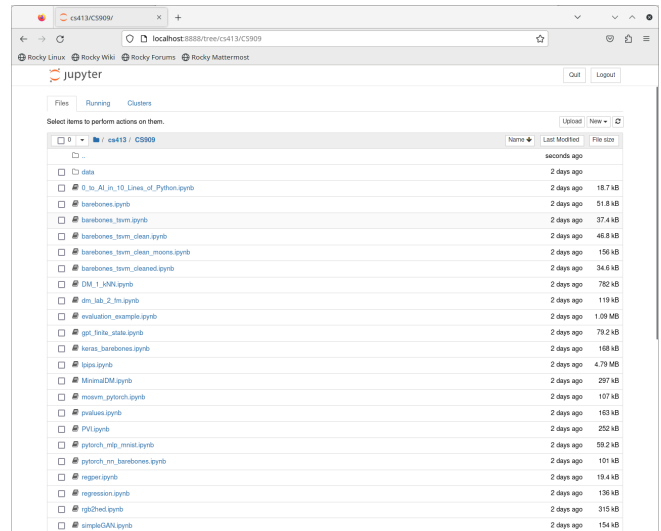
```
module load cs909-python
```

Then to start the jupyter-notebook server run:

```
jupyter-notebook
```

```
Terminal
File Edit View Search Terminal Help
[u2188448@msclab-29 ~]$ module load cs909-python
Loading cs909-python
Loading requirement: CUDA/11.6.0
[u2188448@msclab-29 ~]$ jupyter-notebook
[I 09:31:15.775 NotebookApp] Serving notebooks from local directory: /dcs/pg21/u2188448
[I 09:31:15.775 NotebookApp] Jupyter Notebook 6.5.2 is running at:
[I 09:31:15.775 NotebookApp] http://localhost:8888/?token=cda8dba4d790701b92a54e6ce543069a99fc5a363f4325a5
or http://127.0.0.1:8888/?token=cda8dba4d790701b92a54e6ce543069a99fc5a363f4325a5
[I 09:31:15.775 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 09:31:15.868 NotebookApp]

To access the notebook, open this file in a browser:
file:///dcs/pg21/u2188448/.local/share/jupyter/runtime/nbserver-96032-open.html
Or copy and paste one of these URLs:
http://localhost:8888/?token=cda8dba4d790701b92a54e6ce543069a99fc5a363f4325a5
or http://127.0.0.1:8888/?token=cda8dba4d790701b92a54e6ce543069a99fc5a363f4325a5
```

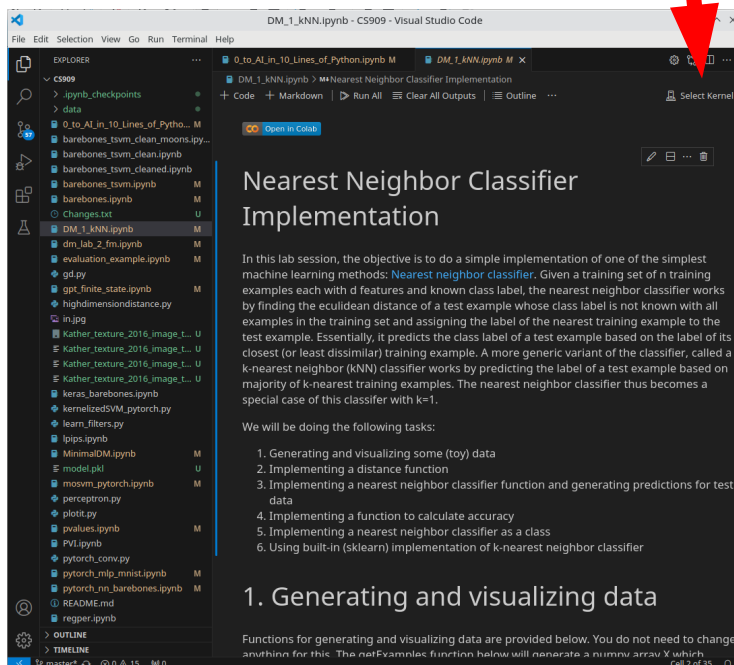


This will launch a new browser window with jupyter where you can run all the notebooks as normal

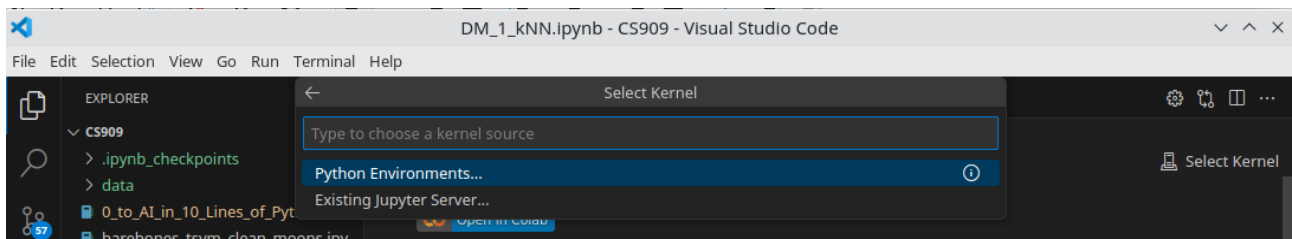
If you would prefer to use Visual Studio Code you can close the browser (the server will stay running in the terminal) and do the following:

Launch VSCode and open the folder with your lab files (File → Open Folder) :

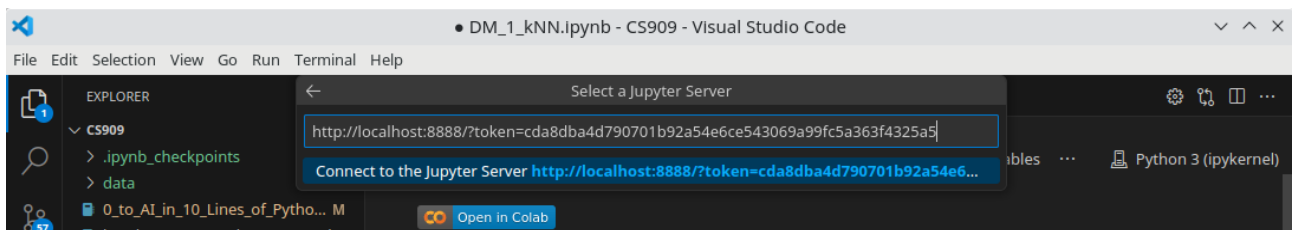
When clicking on a notebook file it will open appropriately. You need to select the python environment to use to run it by selecting the kernel here



Then select existing Jupyter Server



It will ask for the server url which is noted in the terminal window. You can copy from the terminal into VSCode



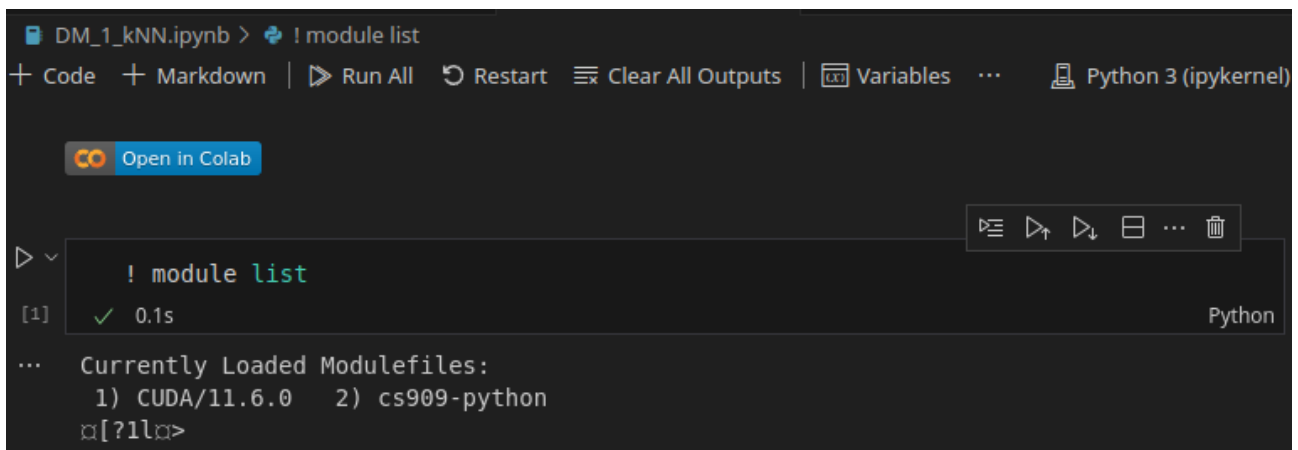
It will ask for a name, you can just press Enter to leave as is.

The python environment will then show in the list which you can select.

You can confirm the module is loaded in the current environment by running

```
! module list
```

in one of the notebook cells. It should print the loaded module and CUDA



If you close down your server in the terminal you will have to restart it and put the URL in again.