Lab 8
Linear Regression with PyTorch

10/31/2022

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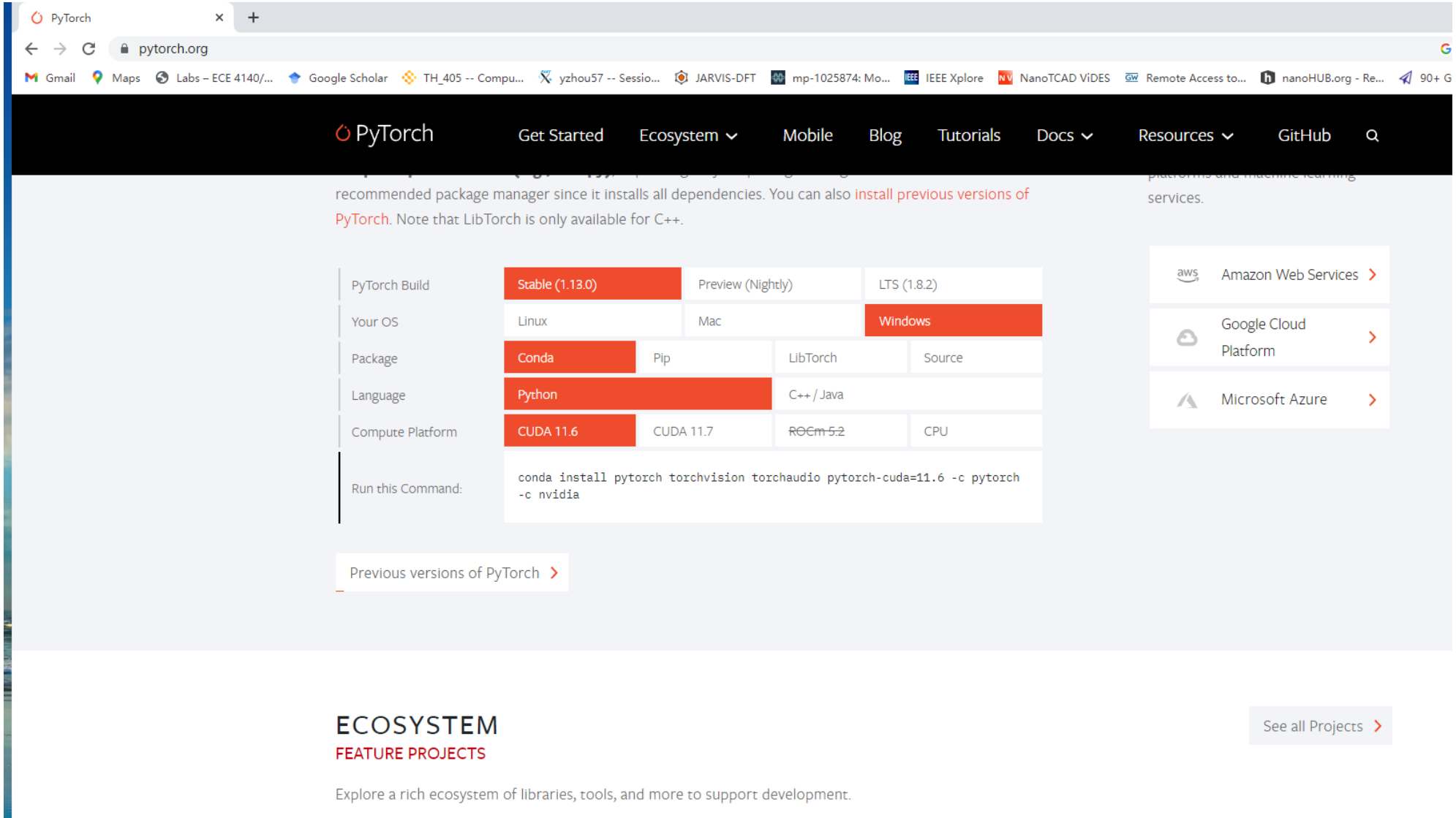
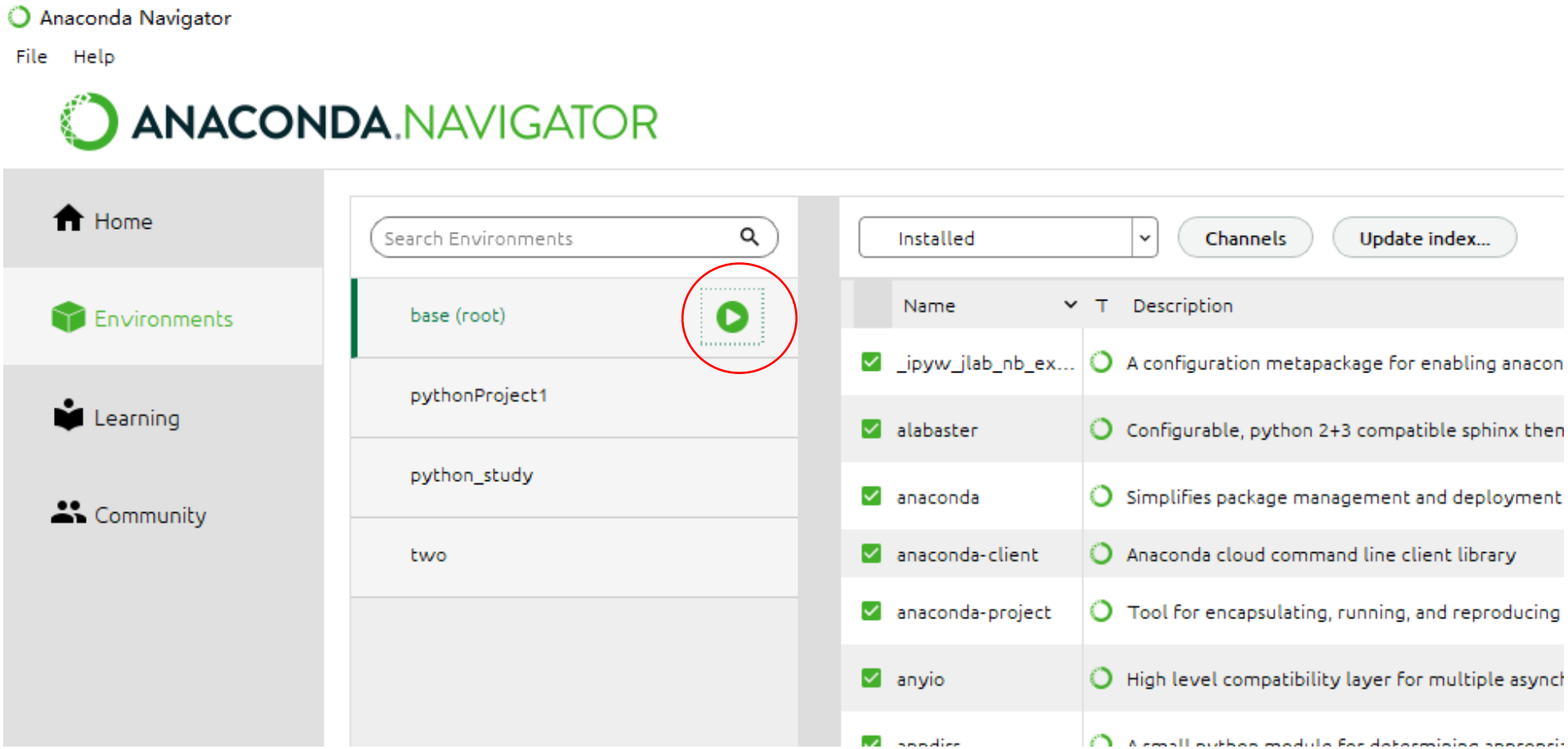
Tutorial for Deep Learning with Pytorch

- https://www.deeplearningwizard.com/deep_learning/practical_pytorch/pytorch_linear_regression/#summary

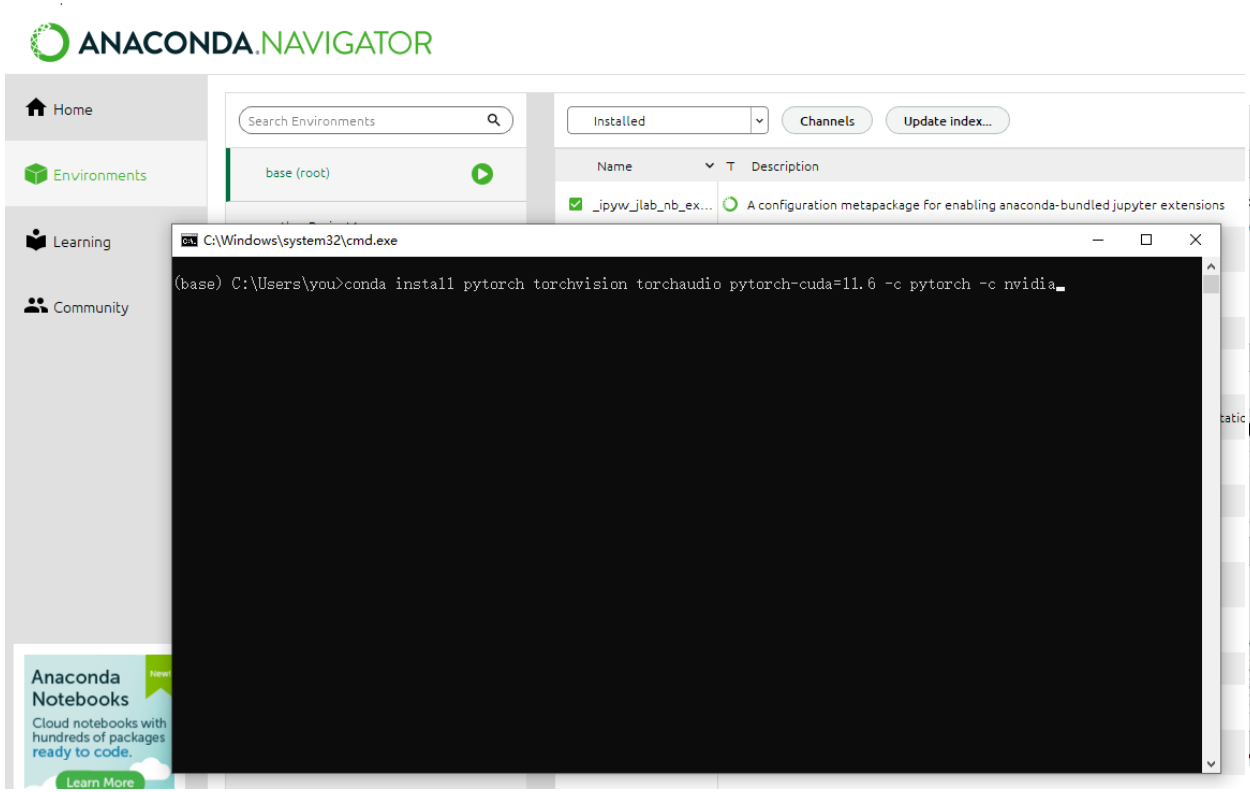
Install PyTorch

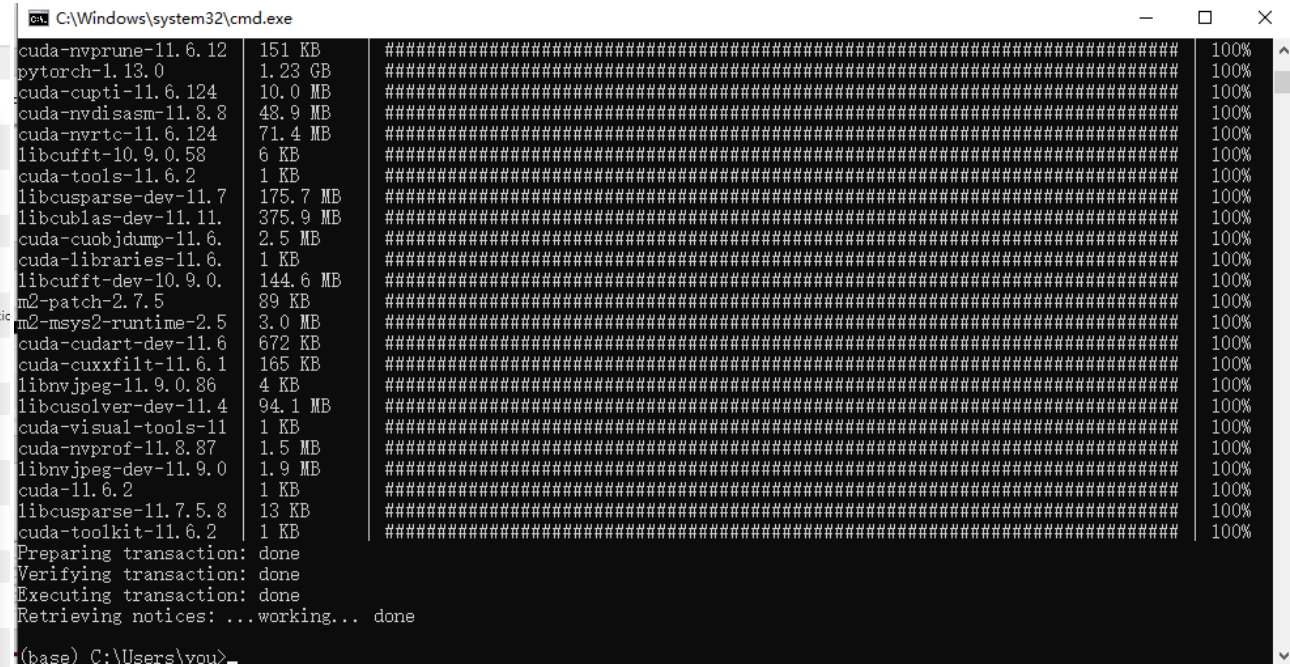


Open terminal

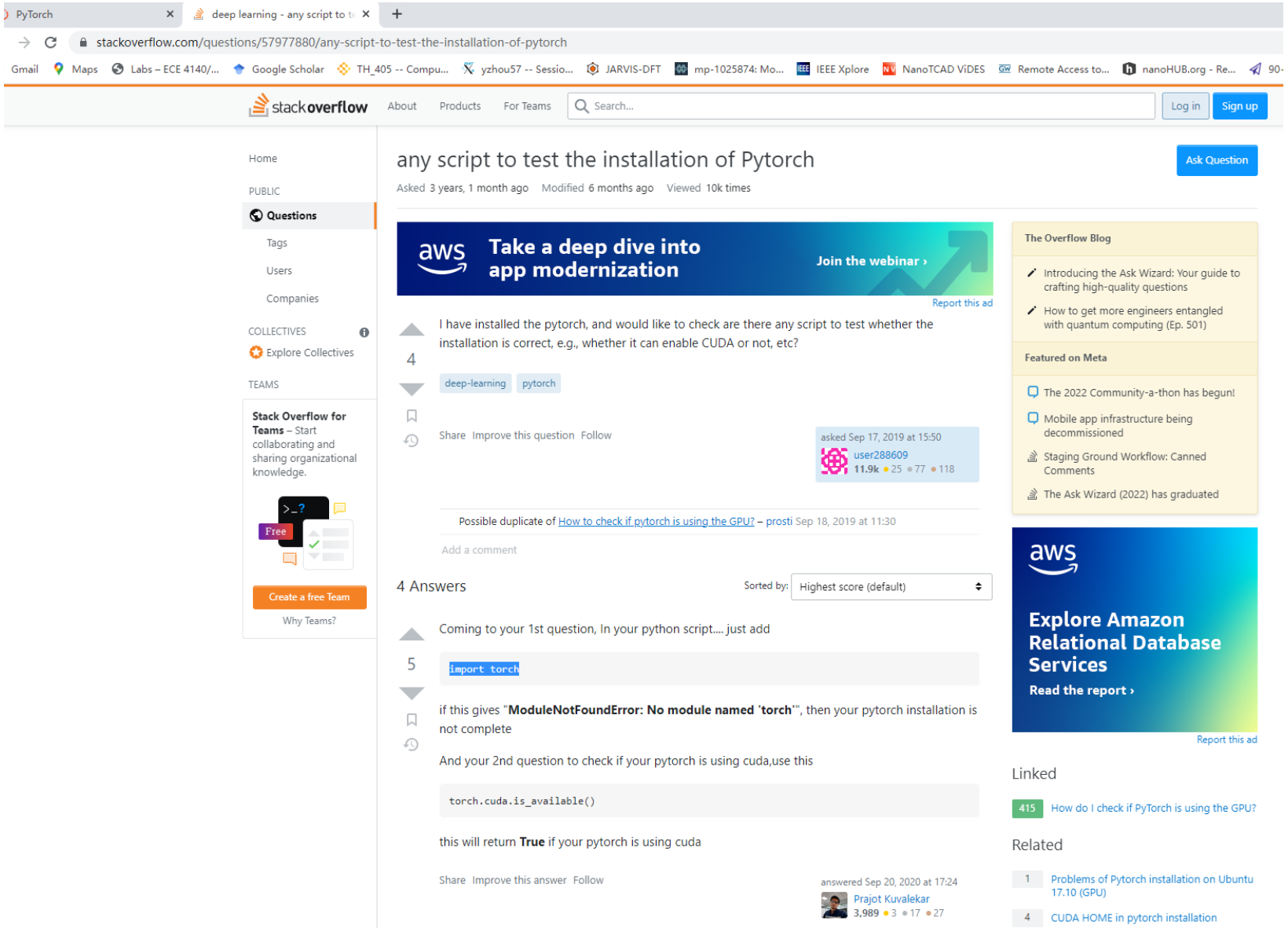


Copy and paste the command





Verify the installation



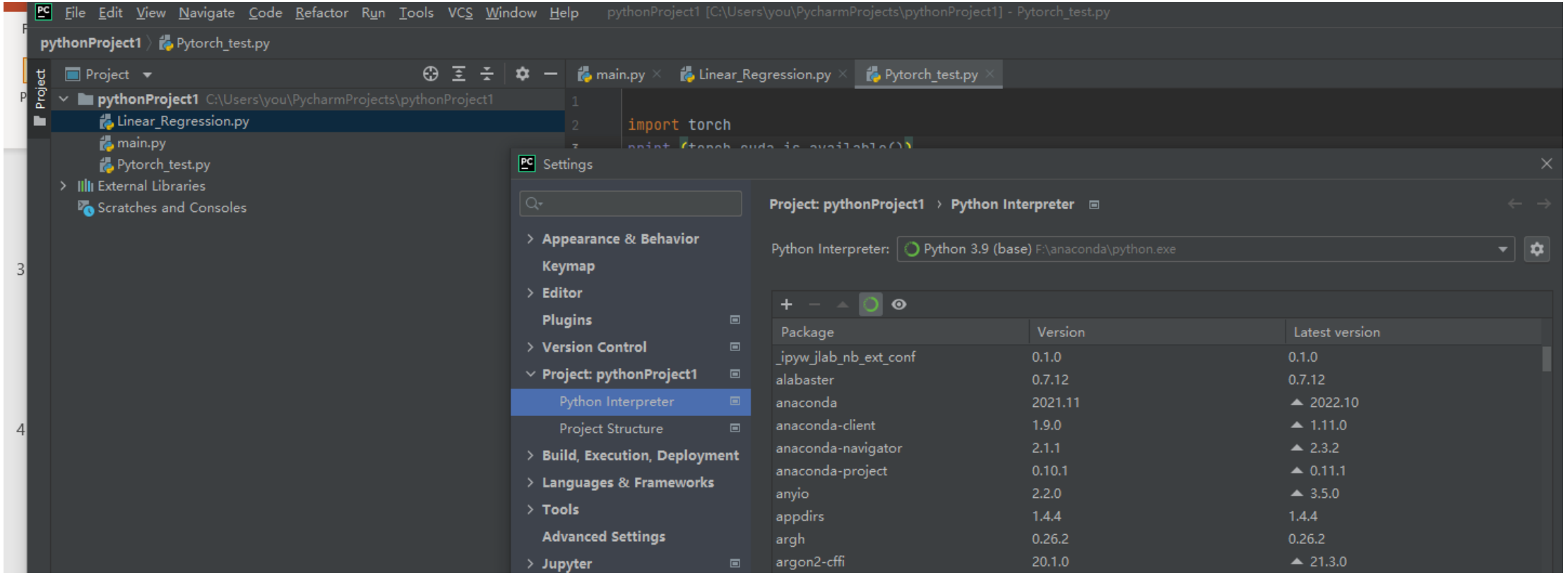
Create a new Python script
Type:
Import torch
torch.cuda.is_avaible()

Note that Mac system can not use Cuda because it does not have a GPU

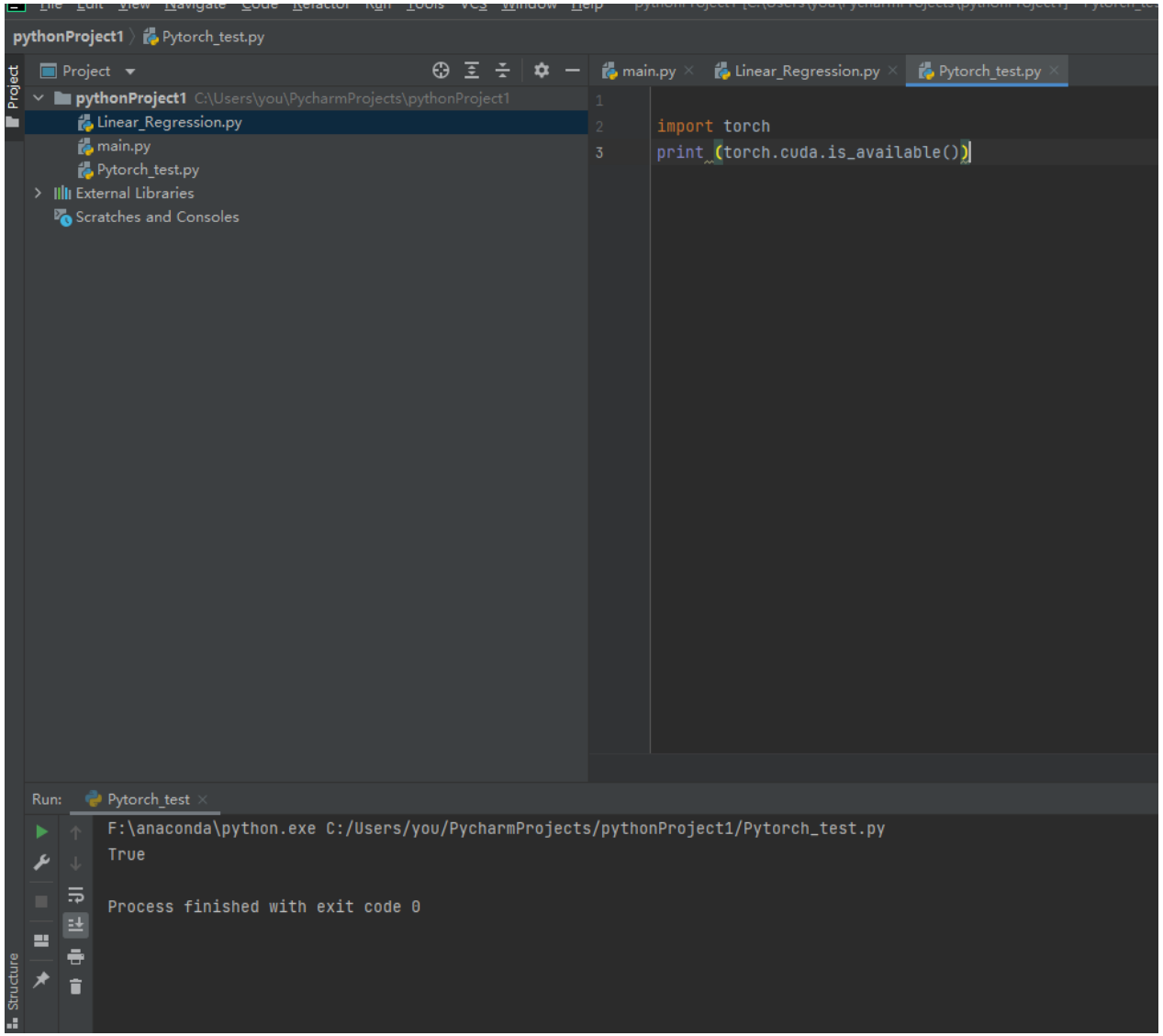
https://stackoverflow.com/questions/57977880/any-script-to-test-the-installation-of-pytorch

The interpreter should match with the Anaconda

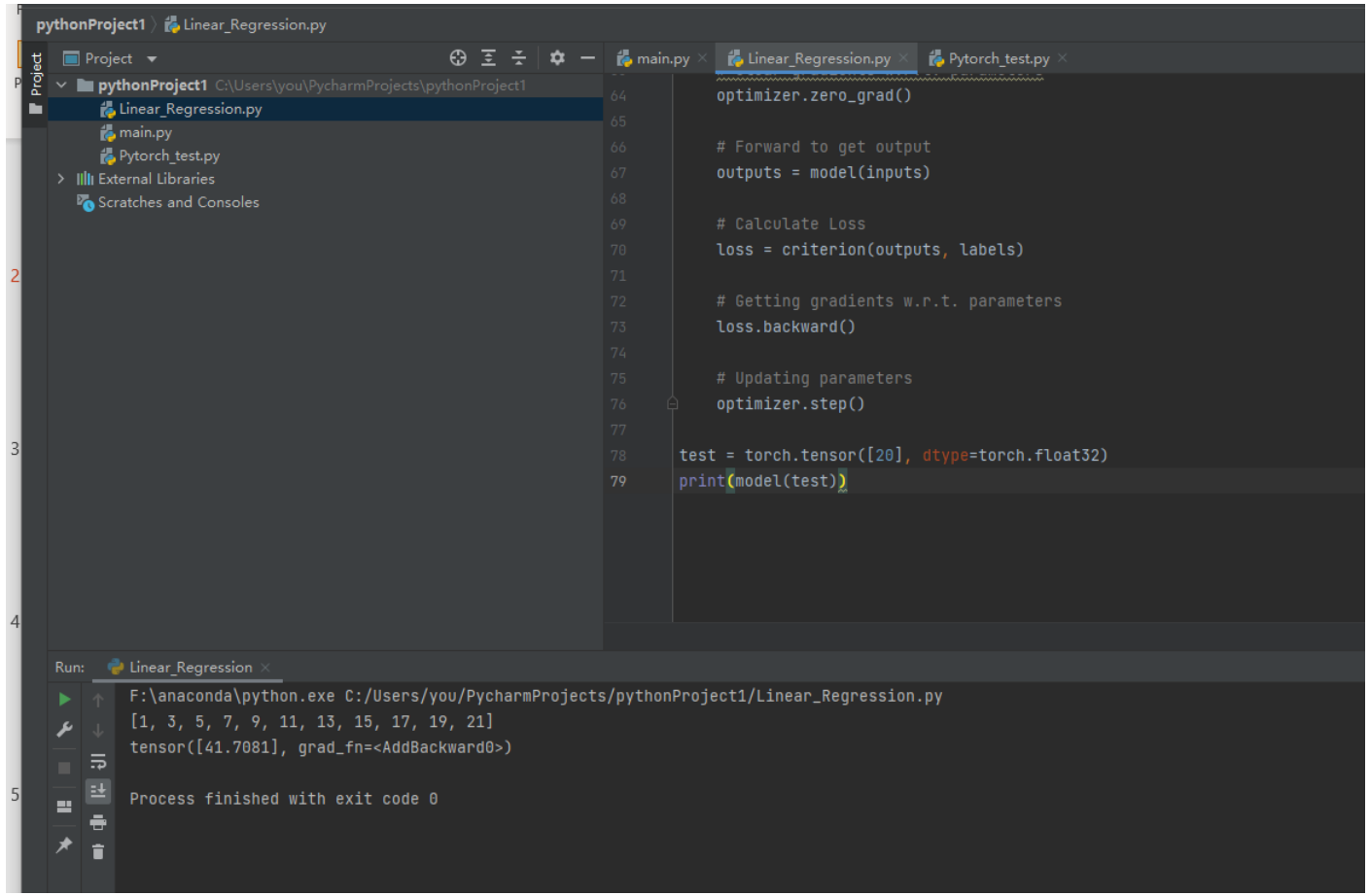
File -> settings



Return True


pythonProject1
Pytorch_test.py
Project
pythonProject1 C:\Users\you\PycharmProjects\pythonProject1
Linear_Regression.py
main.py
Pytorch_test.py
External Libraries
Scratches and Consoles
main.py
Linear_Regression.py
Pytorch_test.py
1
2 import torch
3 print(torch.cuda.is_available())
Run:
Pytorch_test
F:\anaconda\python.exe C:/Users/you/PycharmProjects/pythonProject1/Pytorch_test.py
True
Process finished with exit code 0
Structure

Run the code



Test when x = 20