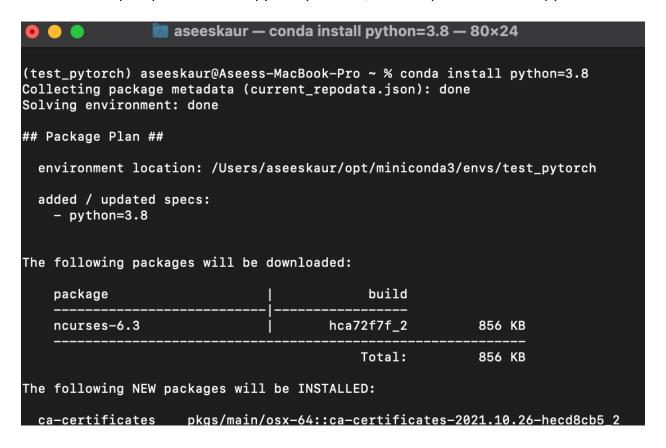# Installing Python

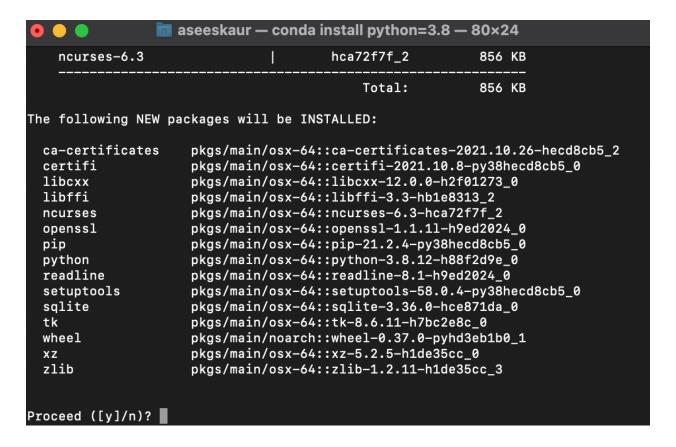Now that we installed a virtual environment, let's install python in it to start working.

Step 1: Activate your virtual environment in which you want to install python.

Step 2: Use this command: conda install python

OR
You can also specify the version of python you want, for example: conda install python = 3.8

```
●  ●  ●              aseeskaur — conda install python=3.8 — 80×24

(test_pytorch) aseeskaur@Aseess-MacBook-Pro ~ % conda install python=3.8
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: /Users/aseeskaur/opt/miniconda3/envs/test_pytorch

  added / updated specs:
    - python=3.8


The following packages will be downloaded:

    package                    |            build
    ---------------------------|-----------------
    ncurses-6.3                |       hca72f7f_2         856 KB
    ------------------------------------------------------------
                                           Total:         856 KB

The following NEW packages will be INSTALLED:

  ca-certificates     pkgs/main/osx-64::ca-certificates-2021.10.26-hecd8cb5_2
```

Press y to proceed, and it will start downloading the required packages

Now that I have python, I need some basic libraries like, numpy, pandas, matplotlib, etc.

You can do this using the command: conda install <library name>.

Note: You can also use pip to install the libraries.

```
(test_pytorch) aseeskaur@Aseess-MacBook-Pro ~ % conda install numpy
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: /Users/aseeskaur/opt/miniconda3/envs/test_pytorch

  added / updated specs:
    - numpy


The following NEW packages will be INSTALLED:

  blas               pkgs/main/osx-64::blas-1.0-mkl
  intel-openmp       pkgs/main/osx-64::intel-openmp-2021.4.0-hecd8cb5_3538
  mkl                pkgs/main/osx-64::mkl-2021.4.0-hecd8cb5_637
  mkl-service        pkgs/main/osx-64::mkl-service-2.4.0-py38h9ed2024_0
  mkl_fft            pkgs/main/osx-64::mkl_fft-1.3.1-py38h4ab4a9b_0
  mkl_random         pkgs/main/osx-64::mkl_random-1.2.2-py38hb2f4e1b_0
  numpy              pkgs/main/osx-64::numpy-1.21.2-py38h4b4dc7a_0
  numpy-base         pkgs/main/osx-64::numpy-base-1.21.2-py38he0bd621_0
  six                pkgs/main/noarch::six-1.16.0-pyhd3eb1b0_0
```

Again, press y to proceed.

```
added / updated specs:
  - numpy


The following NEW packages will be INSTALLED:

  blas              pkgs/main/osx-64::blas-1.0-mkl
  intel-openmp      pkgs/main/osx-64::intel-openmp-2021.4.0-hecd8cb5_3538
  mkl               pkgs/main/osx-64::mkl-2021.4.0-hecd8cb5_637
  mkl-service       pkgs/main/osx-64::mkl-service-2.4.0-py38h9ed2024_0
  mkl_fft           pkgs/main/osx-64::mkl_fft-1.3.1-py38h4ab4a9b_0
  mkl_random        pkgs/main/osx-64::mkl_random-1.2.2-py38hb2f4e1b_0
  numpy             pkgs/main/osx-64::numpy-1.21.2-py38h4b4dc7a_0
  numpy-base        pkgs/main/osx-64::numpy-base-1.21.2-py38he0bd621_0
  six               pkgs/main/noarch::six-1.16.0-pyhd3eb1b0_0


Proceed ([y]/n)? y

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
(test_pytorch) aseeskaur@Aseess-MacBook-Pro ~ %
```