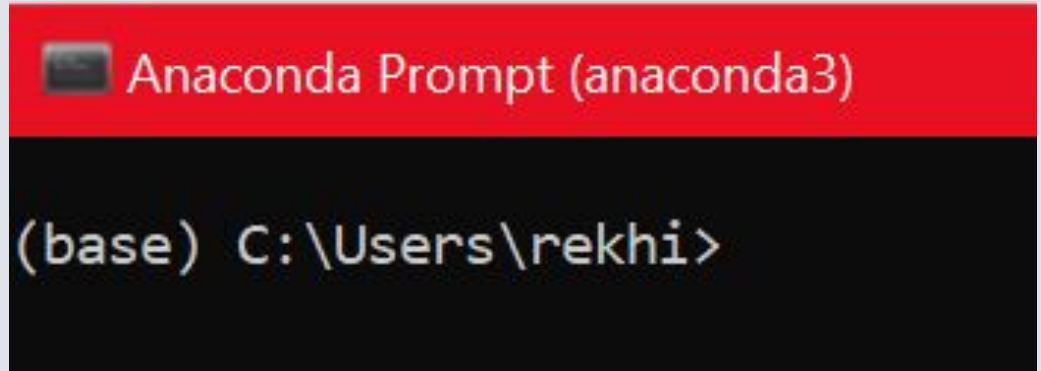# Creating an Environment with a Specific Version of Python

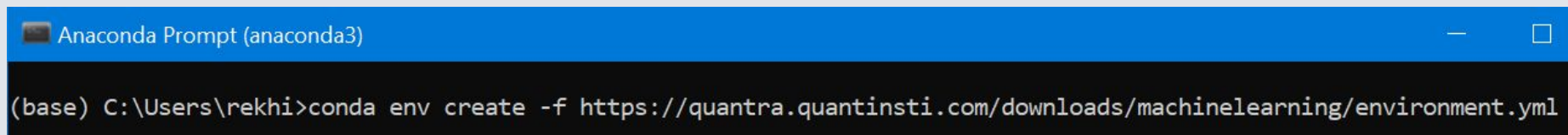There are times when you want to work on a project which requires different versions of libraries and packages.

In this type of scenario, it is better to use a virtual environment with all the packages you need.

This ensures that if you have various notebooks with different package requirements, they can all run in different environments without any errors.

- Open **Anaconda Command Prompt** or **terminal**

- **For an environment with machine learning libraries specific to Quantra Environment**
- **Type**
  "conda env create -f https://quantra.quantinsti.com/downloads/machinelearning/environment.yml"

Anaconda Prompt (anaconda3)

(base) C:\Users\rekhi>conda env create -f https://quantra.quantinsti.com/downloads/machinelearning/environment.yml

- For an environment without machine learning libraries
- Type
  "conda env create -f https://quantra.quantinsti.com/downloads/general/environment.yml"

Anaconda Prompt (anaconda3) —

```
(base) C:\Users\rekhi>conda env create -f https://quantra.quantinsti.com/downloads/general/environment.yml
```

- Activate "quantra_py" environment by typing "conda activate quantra_py"

- Press "Enter" key


```
done
#
# To activate this environment, use
#
#     $ conda activate quantra_py
#
# To deactivate an active environment, use
#
#     $ conda deactivate


(base) C:\Users\rekhi>conda activate quantra_py

(quantra_py) C:\Users\rekhi>
```

Note: You should always activate the correct environment before you start working on your strategies or notebooks.

Initially, the default environment is named "base" and the ones you create will be named however you seem fit to.

Congratulations! You have successfully recreated the Quantra environment on your local machine.

How to open Jupyter Notebook?

- Use the command, "jupyter notebook" to open the Jupyter notebook

- Press "Enter" key

```
(quantra_py) C:\Users\rekhi>jupyter notebook
```