# Creating a virtual environment

Open command prompt (cmd.exe) and go to the folder where you would like to create your virtual environment.

## No specific python version

Use the following command:

python -m venv EnvironmentNameHere

## Specific python version

Use the following command, where x.x is the version of python you would like to install:

py -x.x -m venv EnvironmentNameHere

This will create a folder named ‘EnvironmentNameHere’ which contains your new environment.

# Activating a virtual environment

Go to the main folder which contains the folder of your virtual environment.

Using command prompt:

EnvironmentNameHere\Scripts\activate.bat

Using powershell prompt:

EnvironmentNameHere\Scripts\activate.ps1

Now you should see (EnvironmentNameHere) at your next line, which indicates that the environment is active.

# Installing script dependencies

All dependencies and its versions should be stored in a requirements.txt file in the main folder.

Activate your environment, then type the following command:

pip install -r requirements.txt

Now you should have everything installed

# Adding a virtual environment as a jupyter labs/notebook kernel

Activate your environment.

First install ipykernel:

pip install ipykernel

Afterwards you can add the environment:

python -m ipykernel install --user --name=EnvironmentNameHere

To uninstall you can use the following command (no need to activate the environment):

jupyter kernelspec uninstall EnvironmentNameHere