

# Set up the UV project folder and Python environment on Mac

## How to use UV

Stop Using Pip - This New Tool is 100x Faster (UV Tutorial)  
<https://www.youtube.com/watch?v=6pttmsBSi8M>

## General

Check what python version is installed on mac

```
$ python3 --version
```

Check what python versions are available for UV to install

```
$ uv python list
```

## Create a new project folder with a specific python version

Cd to the desktop

```
$ cd Desktop
```

Create a project folder with python 3.10

The project folder is named: qwen3-ollama-project

```
$ uv init qwen3-ollama-project --python 3.10
```

## Install the Ollama python package

Install the Ollama python package

```
$ uv add ollama
```

## Launch Jupyter Lab in order to use Jupyter notebooks

How to run a Jupyter notebook from a uv project folder:

Ref: <https://docs.astral.sh/uv/guides/integration/jupyter/>

Within a notebook, you can import your project's modules as you would in any other file in the project. For example, if your project depends on requests, **import requests** will import requests from the project's virtual environment. To keep things simple don't install packages from the notebook. Install them using **uv add** from the terminal.

```
$ uv run --with jupyter jupyter lab
```

## Check that Ollama is working

Run this in a notebook cell:

```
from ollama import chat
from ollama import ChatResponse
```