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# Step by Step

"Git Clone, git zip etc...."

# 01

## Download & Dependencies



I'm missing the  
uv.lock

## New Project

Pure Python

Python

Jupyter

FastAPI

Flask

Django

> Other

Location: /Users/kristofferjohansson/PycharmProjects/PythonProject 

Create Git repository  Create a welcome script

Interpreter type: Project venv **uv** Base conda Custom environment

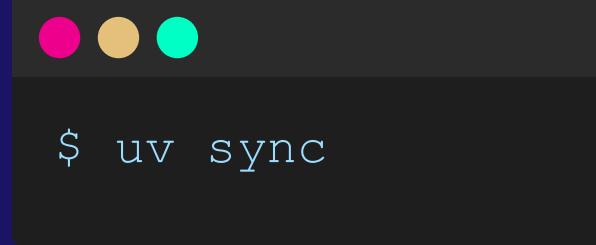
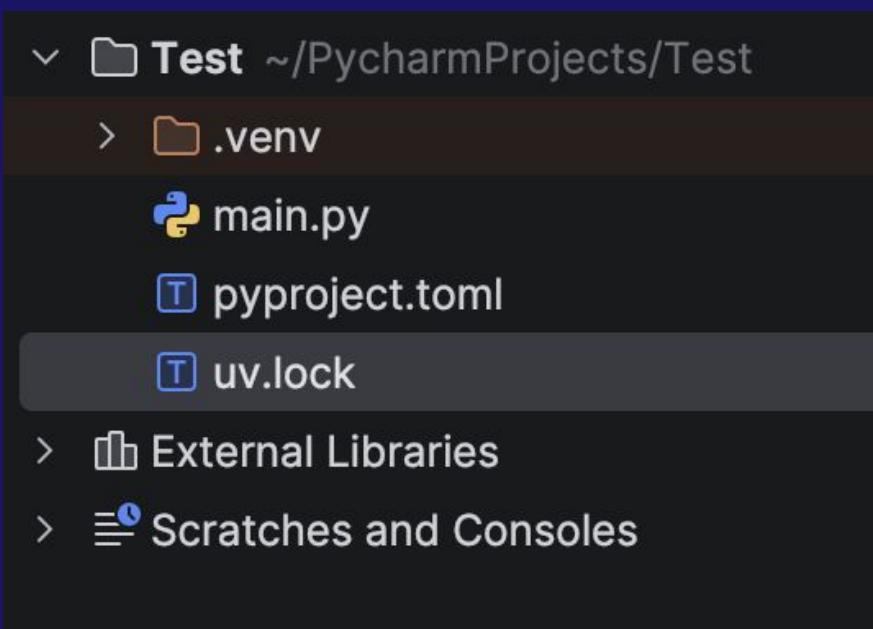
Python version: Default 

Path to uv: /opt/homebrew/bin/uv  

uv environment will be created in the project root: /Users/kristofferjohansson/PycharmProjects/PythonProject/.venv

Make sure you have 'uv' installed on your device

# Generate uv.lock (Commands)



That's all, you're now done!

I have no .toml  
or  
uv.lock



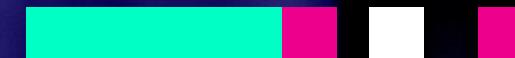
# Generate .toml & .lock (Commands)



```
$ uv init  
$ uv sync
```

**That's all, you're now done!**

# Download Project



# Download (Project)

Download project:

<https://github.com/Krillinator/data-platform-lektion-3-fastapi-postgreSQL>



**data-platform-lektion-3-fastapi-postgreSQL**

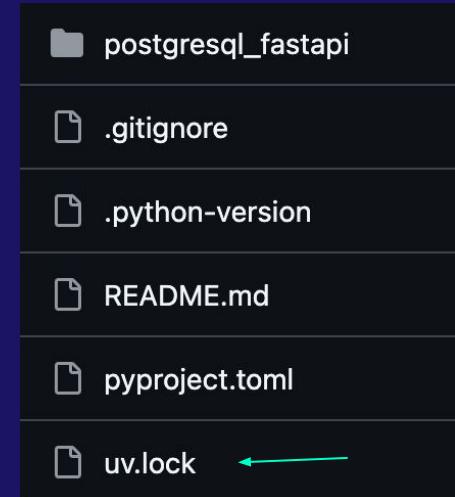
Public

# Download (Problem)

**Problem:**

We will be missing .venv file and no dependencies...

If you see a uv.lock → You are in luck!



# Create .venv & Activate (Commands)

```
$ python3 -m venv .venv
$ source .venv/bin/activate
$ uv sync
```

**That's all, you're now done!**

# `__init__.py`

## What is it?

# `__init__.py`

(What is it?)



I don't know the  
difference between a  
folder and a package

*Imports are very hard*

```
demo/
└── main.py
    └── schema/
        └── product.py
```

```
from schema.product import Product

p = Product()
p.hello()
```

utan \_\_init\_\_.py kan leda till:

```
ModuleNotFoundError: No module named 'schema'
```

# Best Practice (FastApi Run Project)



```
$ uvicorn main:app --reload
# Ensures that packages are imported correctly

$ fastapi dev main.py # quick / can crash
```