

Python Setup Guide

Basic Setup Steps:

1. Download Python from the official website: <https://www.python.org/downloads/>
(Recommended versions: 3.9, 3.10, or 3.11)
2. Install the downloaded Python version on your system.
3. Open the Command Prompt (or terminal).
4. Create a virtual environment using the following command:
 - o `python -m venv <env_name>`
5. Activate the virtual environment:
 - o **Windows:** `<env_name>\Scripts\activate`
 - o **macOS/Linux:** `source <env_name>/bin/activate`

Installing Required Modules:

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1. `fastapi==0.99.0`
2. `uvicorn==0.31.1`
3. `SQLAlchemy==2.0.35`

Install all dependencies from the requirements.txt file

Command: **`pip install -r requirements.txt`**

Note: on your command prompt please navigate to project (address_book) directory before running above command

Running the API:

1. Navigate to the project root directory (e.g., address_book), make sure the virtual environment is activated.
2. Run the application using: **`uvicorn main:app --reload`**
3. The FastAPI server should start and run on port 8000 by default.

API Endpoints:

1. We will get the all the endpoints details on FastAPI – Swagger UI:
<http://127.0.0.1:8000/docs>

Database:

1. We used SQLite as a database to store address details: **`addresses.db`**