

Python Project Setup Commands

1. Check Python Installation

```
python --version
```

2. Create Project Folder

```
mkdir python_api  
cd python_api
```

3. Create Virtual Environment

```
python -m venv venv
```

4. Activate Virtual Environment (Windows CMD)

```
venv\Scripts\activate
```

5. Upgrade pip

```
python -m pip install --upgrade pip
```

6. Install Packages

```
pip install flask  
pip install pdfplumber  
pip install requests
```

7. Save Dependencies

```
pip freeze > requirements.txt
```

8. Install Dependencies Later

```
pip install -r requirements.txt
```

9. Run Flask App

```
python app.py
```

10. Deactivate Virtual Environment

```
deactivate
```

Typical Workflow

1. `python -m venv venv`
2. `venv\Scripts\activate`
3. `pip install flask`
4. `pip freeze > requirements.txt`
5. Create `app.py`
6. `python app.py`

Whenever you install or remove packages:

- `pip install`

- `pip freeze > requirements.txt`

On another computer:

- `python -m venv venv`
- `venv\Scripts\activate`
- `pip install -r requirements.txt`