

# SGX3 Coding Institute - Setting up a Virtual Environment

Made by Charlie Dey - 6/17/25 SGX3 Coding Institute 2025

## ✅ Step 1: Install virtualenv (optional)

You can skip this if you're using Python 3.3+ (which includes venv by default), but it's good to know.

```
pip install virtualenv
```

## ✅ Step 2: Navigate to your project directory

```
cd /path/to/your/project
```

## ✅ Step 3: Create a virtual environment

### ⚠️ Using built-in venv (Python 3.3+)

```
python3 -m venv my-virtual-env
```

- my-virtual-env is the name of the environment folder (you can name it anything).

## ✅ Step 4: Activate the virtual environment

### 🟦 On Linux:

```
source my-virtual-env/bin/activate
```

## ✅ Step 5: Verify the environment is active

You'll see the environment name in your terminal prompt, e.g.:

```
(my-virtual-env) $
```

Then you can install packages locally:

```
pip install flask
```

## ✅ Step 6: Deactivate the environment (when done)

```
deactivate
```