Assignment 1 – Installation Instructions

1. **Set Up a Virtual Environment**
   - Unzip the application into a directory of your choice
   - Open a terminal or command prompt and navigate to the root (trump) directory.
   - Create a virtual environment called venv:

```
python -m venv venv
```

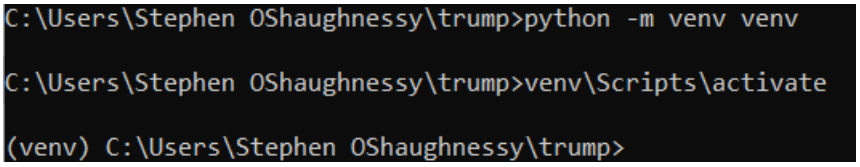
   - Activate the virtual environment.
   - On Windows:

```
venv\Scripts\activate
```

   - On Linux/ Mac:

```
source venv/bin/activate
```

   Here's an example of my command prompt output:



   Note the (venv) – this indicates that you are inside the virtual environment. When you want to exit the virtual environment, simply type **deactivate**.

2. **Install Flask**
   - This application runs on Python Flask. Flask is a lightweight web framework for Python, designed to help developers build web applications quickly and easily. It is popular for its simplicity and flexibility. The basic structure of a Flask application is:
     - **app.py**: The main file that contains the application logic, routes, and views. Most of your code fixes will be in this file.
     - **templates/:** A directory that contains HTML files used for rendering the views (e.g., index.html, login.html). Note: there is a file called base.html, which is the template from which the other pages are based on.
     - **static/**: A directory that contains static files like CSS, JavaScript, and images.
     - **venv/**: The virtual environment directory that contains the Python interpreter and installed packages.

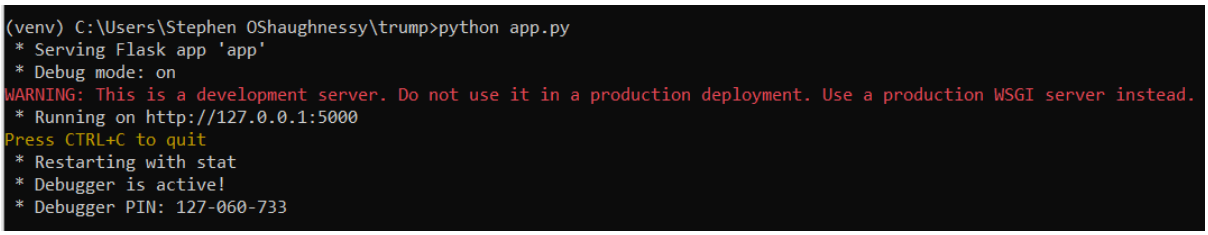
- Run the following command. This will install Flask and SQLAlchemy (for DB connection)

```
pip install Flask Flask-SQLAlchemy
```

3. Run the application

```
python app.py
```

- All going well, you should see something like the following:



- If you get errors at this stage, retrace the steps to ensure you have installed as per the instructions.
- You can view the application on: http://127.0.0.1:5000.