CHECKLIST

Virtual Environments

Objectives:

- Understand what virtual environments are and how they are useful
- Set up a virtual environment
- Know how to use a virtual environment

When we are working as a developer, we might find ourselves working on different projects or t projects might use the same programming language, but different versions and packages along organized and avoid conflicts with our OS? With Python the answer if **Virtual Environments.**

Installing our Virtual Environment tool

While there are a couple different ways to create virtual environments, we are going to be using To get started we need to use pip to install pipenv globally.

Windows:

```
pip install pipenv
```
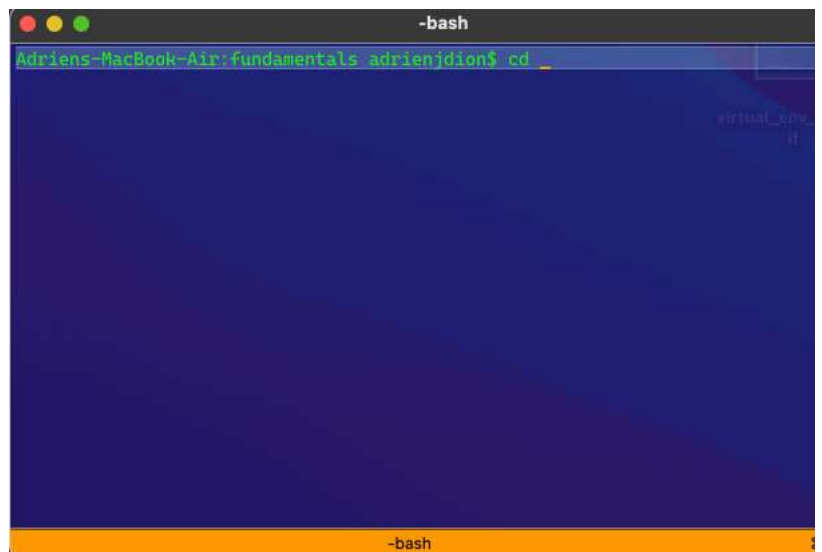
Mac:

```
pip3 install pipenv
```

Creating our Virtual Environment and Installing Flask

Now that we have pipenv installed, let's create a new project folder. Using the folder structure folder inside the python_/flask/fundamentals folder called hello_flask.

Navigate into the hello_flask folder using your terminal or command prompt. Once we are in th to install Flask.

```
pipenv install flask
```


The first time we run pipenv install, it will create 2 files for us, Pipfile and Pipfile.lock. Both are n packages, but difference between the two include: Pipfile will display the packages installed, an details on what version is being used.

NOTE If your receive an error using pipenv, you may need to import it as a module first bef
can do so using the `-m` flag as below. You will need to do this *every* time you use `pipenv`.

Windows:
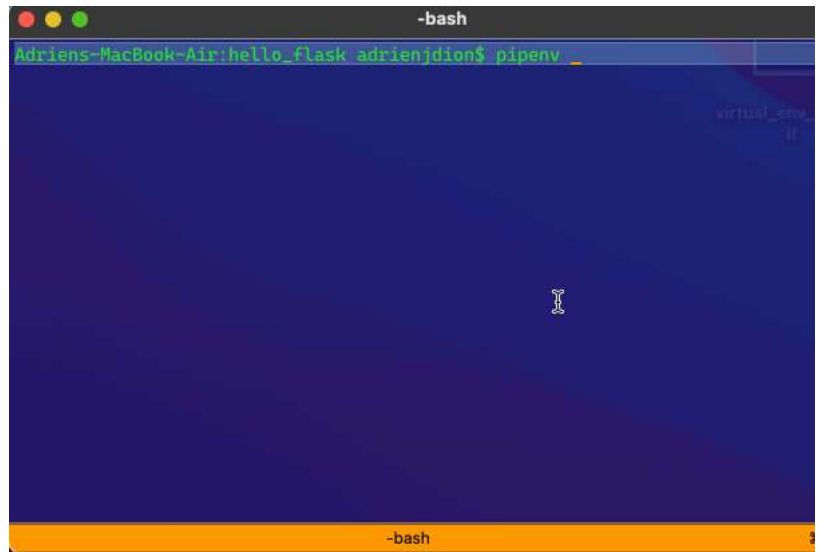
```
python -m pipenv <command to use>
```

Mac:

```
python3 -m pipenv <command to use>
```

Activating our Virtual Environment

Once we have installed the Flask package, we need to activate our environment in order to use
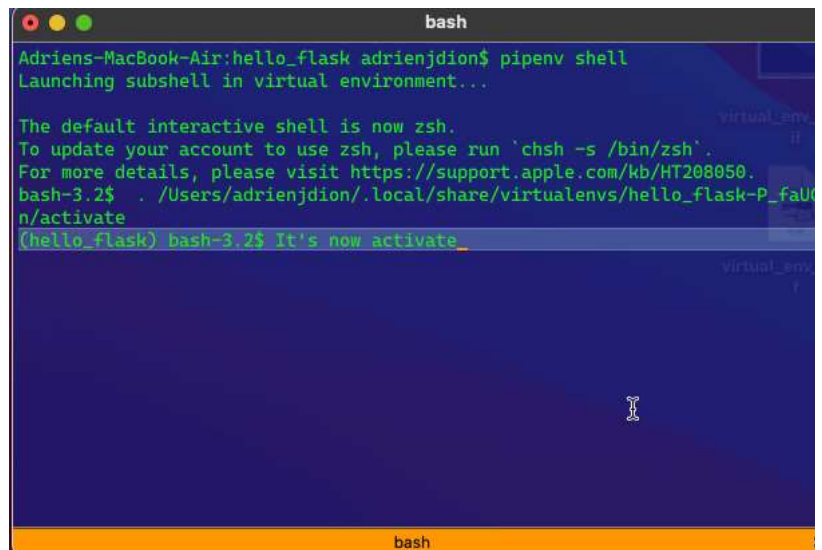following command.

```
pipenv shell
```


Notice the additional folder with the parentheses, (hello_flask), this is showing us the environme

Deactivating our Virtual Environment

To deactivate the virtual environment we can use exit. Our bash window should look something

```
exit
```

IMPORTANT DISCLAIMER

Do not create a virtual environment with another virtual environment.

Privacy Policy

CHECKLIST

To repo