1. Flask Fundamentals 63% (/m/309/9266)

(/m/Overview (/m, Virtual Environments (/m/ Hello Flask (/m/ Routes (/m/ Understanding Routing (Pr... (/m/ Rendering Views (/m)Template Engines (/m/ Playground (Practice) (/m/ Static Files (/m/ Checkerboard (Core) (/m/ More Template Rendering (/m/HTML Table (Core) (/m/POST Form Submission (/m/ Dojo Fruit Store (Optional) (/m/ Redirecting (/m/ Session Counter (Core) Great Number Game (Pract... Dojo Survey (Core) (/m/ Hidden Inputs

Ninja Gold (Optional)

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:

Mac:

Creating our Virtual Environment and Installing Flask

Now that we have pipenv installed, let's create a new project folder. Using the folder structure v 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, and details on what version is being used.



1. Flask Fundamentals 63% (/m/309/9266)

(/m/ Overview (/m, Virtual Environments (/m/ Hello Flask (/m/ Routes (/m/ Understanding Routing (Pr... (/m/ Rendering Views (/m/Template Engines (/m/ Playground (Practice) (/m/ Static Files (/m/ Checkerboard (Core) (/m/ More Template Rendering (/m/HTML Table (Core) (/m/POST Form Submission (/m/ Dojo Fruit Store (Optional) (/m/ Redirecting (/m/ Session Counter (Core) Great Number Game (Pract... Dojo Survey (Core) (/m/ Hidden Inputs

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

Windows:

python	-m pipenv	<command< th=""><th>to use></th><th></th></command<>	to use>	
Мас:				
python3	-m pipen	7 <command< td=""><td>i to use></td><td></td></command<>	i to use>	

CHECKLIST

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

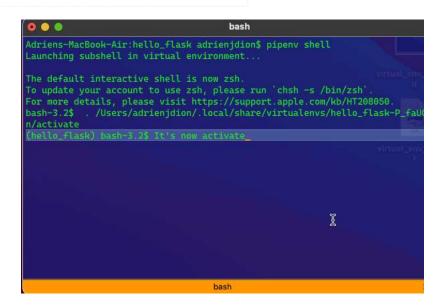


Notice the additional folder with the parentheses, (hello_flask), this is showing us the environme

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.

1. Flask Fundamentals 63% (/m/309/9266)

Overview (/m/

Virtual Environments (/m,

(/m/ PREVIOUS (/M/309/9266/62478)

Privacy Policy

Hello Flask

Routes (/m/

Understanding Routing (Pr...

Rendering Views (/m/

Template Engines

Playground (Practice)

Static Files

Checkerboard (Core)

More Template Rendering

HTML Table (Core)

POST Form Submission

Dojo Fruit Store (Optional)

Redirecting (/m/

Session (/m/

Counter (Core)

Great Number Game (Pract...

Dojo Survey (Core)

Hidden Inputs (/m/

Ninja Gold (Optional)

CHECKLasT