2018.11.13

<http://flask.pocoo.org/docs/1.0/installation/#installation>

* Dependencies, Optional dependencies: contents of installation
* Virtual environments: make python of different versions work together
  + Create an environment

Create a project folder and a venv folder within:

mkdir myproject

cd myproject

python3 -m venv venv

On Windows:

py -3 -m venv venv

* + Activate the environment

activate the corresponding environment:

. venv/bin/activate

On Windows:

venv\Scripts\activate

* + Install Flask
  + Install virtualenv
* Difference between Library and Framework.

The key difference between a library and a framework is “Inversion of Control”. When you call a method from a library, you are in control. But with a framework, the control is inverted: the framework calls you.

2018.11.14

* Hello world

1. First install flask using pip,

pip install Flask

\* If pip is not installed then install pip

*2.Then copy below program (hello.py)*

*from flask import Flask*

*app = Flask(\_\_name\_\_)*

*@app.route("/")*

*def hello():*

*return "Hello World!"*

*if \_\_name\_\_ == "\_\_main\_\_":*

*app.run()*

*Now, run the program*

*python hello.py*

*Running on*[*http://127.0.0.1:5000/*](http://127.0.0.1:5000/)*(Press CTRL+C to quit)  
  
Just copy paste the above address line in your browser.*

*Reference:*[*http://flask.pocoo.org/*](http://flask.pocoo.org/)

1. Create hello.py

**from** flask **import** Flask

app = Flask**(**\_\_name\_\_**)**

→depending on if it’s started as application or imported as module the name will be different ('\_\_main\_\_' versus the actual import name)

@app.route**(**'/'**)**

**def** hello\_world**():**

**return** 'Hello, World!'

Save under the directory as flask?

1. Run app On Command Prompt:

C:\Users\jinling.chen>set FLASK\_APP=hello.py

C:\Users\jinling.chen>flask run

1. Head over to http://127.0.0.1:5000/, see hello world.
2. Externally Visible Server:

flask run --host=0.0.0.0

→in debugging mode a user of the application can execute arbitrary Python code on your computer.If you have the debugger disabled or trust the users on your network, you can make the server publicly available simply by adding --host=0.0.0.0