Flask

Installation

1. Check python path from windows start location- ie open file location (right click on idle 3.x version)

Like : C:\Users\bkalp\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Python 3.7

1. Python path

-chk if python path available in advanced system setting / include path

1. Open command prompt

For flask installation now open link :

<https://flask.palletsprojects.com/en/1.1.x/installation/#installation> and follow the steps from the link to set up virtual environment as given below

Environments

Use a virtual environment to manage the dependencies for your project, both in development and in production.

Python 3 comes bundled with the **[venv](https://docs.python.org/3/library/venv.html" \l "module-venv" \o "(in Python v3.9))** module to create virtual environments

Windows

$ mkdir myproject

$ cd myproject

$ py -3 -m venv flaskenv

### Activate the environment[¶](https://flask.palletsprojects.com/en/1.1.x/installation/#activate-the-environment)

$ flaskenv\Scripts\activate

C:\Users\bkalp\Desktop\myproject>flaskenv\Scripts\activate

(flaskenv) C:\Users\bkalp\Desktop\myproject>

our shell prompt will change to show the name of the activated environment.

## **Install Flask**[**¶**](https://flask.palletsprojects.com/en/1.1.x/installation/#install-flask)

$ pip install flask

Flask is now installed

Requiremnts.txt

Store all requiremnts in a file for future reference

(flaskenv) C:\Users\bkalp\Desktop\myproject>pip freeze > requirements.txt

(flaskenv) C:\Users\bkalp\Desktop\myproject>dir

Directory of C:\Users\bkalp\Desktop\myproject

29-10-2020 05:29 <DIR> .

29-10-2020 05:29 <DIR> ..

29-10-2020 05:27 119 app.py

29-10-2020 03:53 347 decorator-1.py

29-10-2020 04:33 <DIR> flaskenv

29-10-2020 05:29 101 requirements.txt

29-10-2020 05:22 <DIR> \_\_pycache\_\_

3 File(s) 567 bytes

4 Dir(s) 156,099,653,632 bytes free

(flaskenv) C:\Users\bkalp\Desktop\myproject>pip list

Package Version

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click 7.1.2

Flask 1.1.2

itsdangerous 1.1.0

Jinja2 2.11.2

MarkupSafe 1.1.1

pip 20.2.1

setuptools 49.2.1

Werkzeug 1.0.1

Issues with flask installation

SSL/TSL error- refer

Downloaded new python 3.8 from python.org

Set PATH, anew environment variable

1. Check python path from windows start location- ie open file location (right click on idle 3.x version)

Like : C:\Users\bkalp\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Python 3.7

1. Right click property tab on the shortcut of python idle.
2. You get a starts in location there. Copy the path
3. Advanced sysem settings . create new environment path variable and store PATH there
4. When you have added PATH , a new variable , we can see python executed anywhere in computer.

(flaskenv) C:\Users\bkalp\Desktop\myproject>python

]Python 3.8.6 (tags/v3.8.6:db45529, Sep 23 2020, 15:52:53) [MSC v.1927 64 bit (AMD64)] on win32

1. Type "help", "copyright", "credits" or "license" for more information.
2. Now in command prompt in virtual environment installed flask

Create a file in the directory

Create a file called app.py

Set FLASK\_APP variable

(flaskenv) C:\Users\bkalp\Desktop\myproject> Set FLASK\_APP =app.py

Run the file

(flaskenv) C:\Users\bkalp\Desktop\myproject>flask run

Screen shot of above steps

(flaskenv) C:\Users\bkalp\Desktop\myproject>set FLASK\_APP=app.py

(flaskenv) C:\Users\bkalp\Desktop\myproject>flask run

\* Serving Flask app "app.py"

\* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

\* Debug mode: off

\* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)

Set FLASK\_APP

Everytime, to run a new file, set the file name in FLASK\_APP variable for the flask to run that particular file.

## **Leaving the virtual environment**

If you want to switch projects or otherwise leave your virtual environment, simply run:

deactivate

(flaskenv) C:\Users\bkalp\Desktop\myproject>deactivate

C:\Users\bkalp\Desktop\myproject>

If anaconda or pycharm refer internet for setting up virtual environments.