

Setting Up Application Environment

Create flask project

Date	11 Nov 2022
Team ID	PNT2022TMID46372
Project Name	Customer Care Registry
Team Members:	Manikandan.S, Vasanth.S, SakthiMakesh.A, Arulselvam.K, Vignesh.A

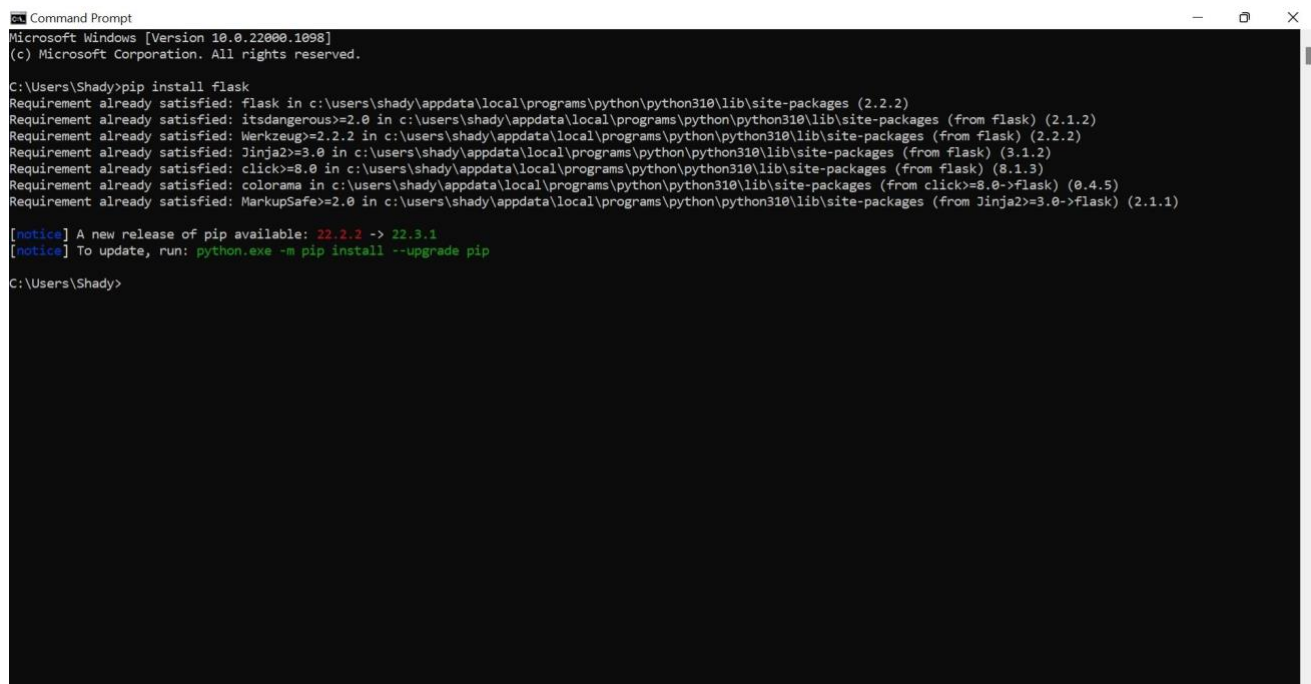
Step 1:

Install the latest version of Python in your desktop, link: <https://www.python.org/downloads/>.

Step 2:

After that, Create new file in your desktop and open command prompt here and type this below command to install the flask. Then the flask will install in few seconds as shown below:

pip install Flask



```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

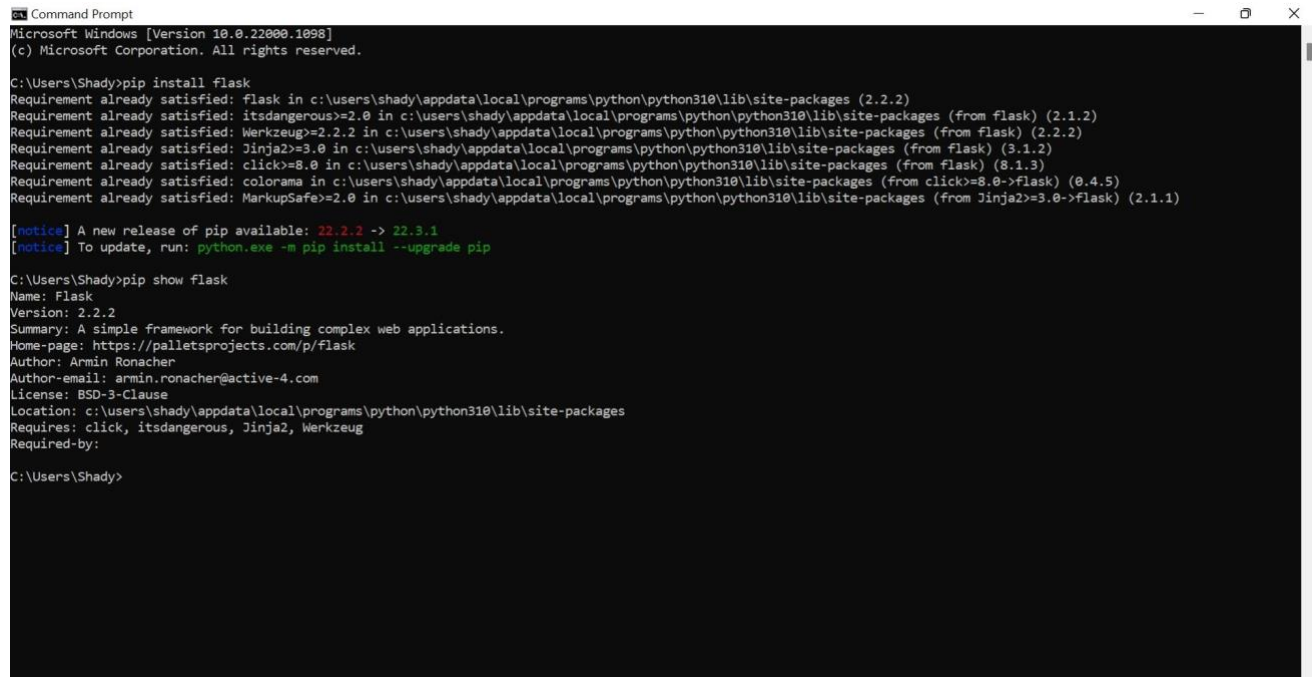
C:\Users\Shady>pip install flask
Requirement already satisfied: flask in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (2.2.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: click>=8.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: colorama in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from click>=8.0->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Shady>
```

Step 3:

Then you can check whether the flask is installed or not in a system, by typing these Command in Command Prompt: ***pip show flask***



```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shady>pip install flask
Requirement already satisfied: flask in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (2.2.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: click>=8.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: colorama in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from click>=8.0->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\shady\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Shady>pip show flask
Name: Flask
Version: 2.2.2
Summary: A simple framework for building complex web applications.
Home-page: https://palletsprojects.com/p/flask
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
License: BSD-3-Clause
Location: c:\users\shady\appdata\local\programs\python\python310\lib\site-packages
Requires: click, itsdangerous, Jinja2, Werkzeug
Required-by:

C:\Users\Shady>
```

Step 4:

Open Visual Studio Code and enter the code given below,

```
from flask import Flask app =
Flask(__name__)

@app.route('/') def
hello_world():
    return 'Hello, World!'

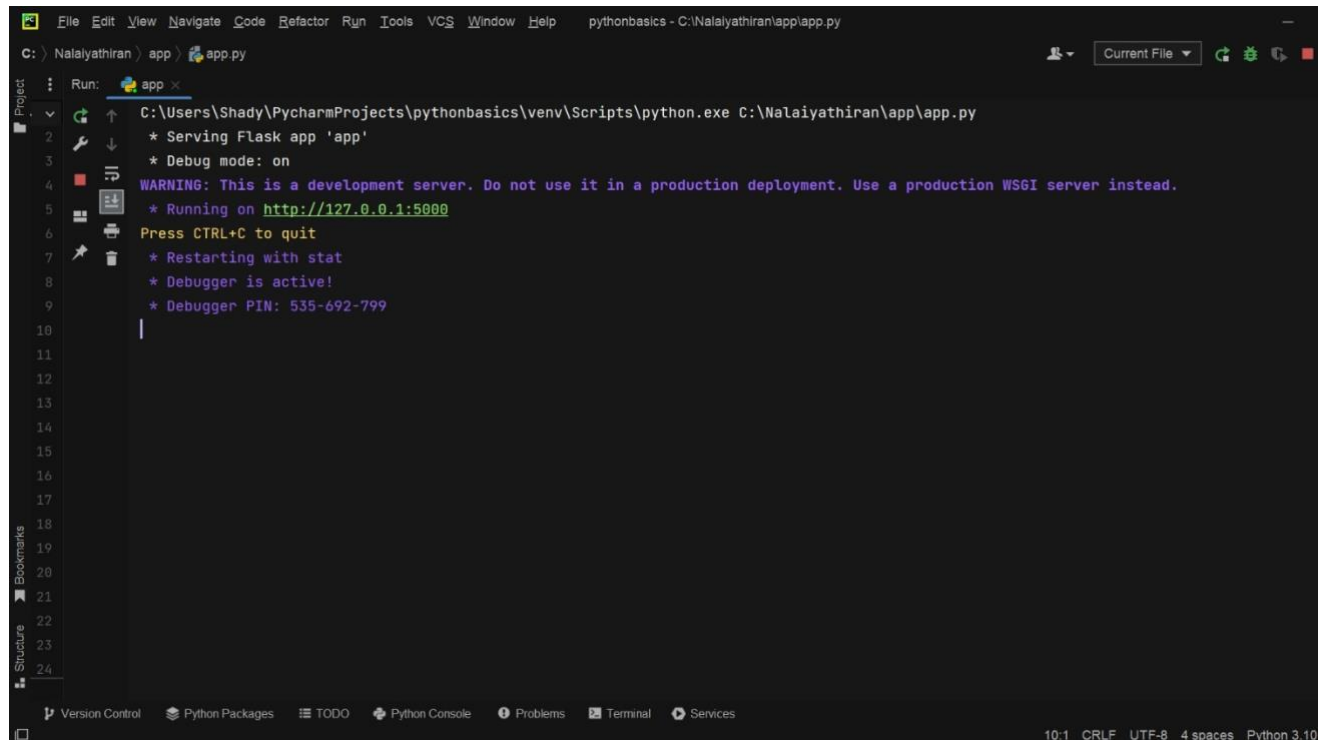
if __name__ == "__main__":
    app.run()
```

Step 5:

Save the code and give the file name as **app.py**.

Step 6:

Go to the file location and open python IDE and open **app.py** then run



The screenshot shows the PyCharm IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The title bar indicates the project is 'pythonbasics' located at 'C:\Nalalyathiran\app\app.py'. The Run console on the right displays the following output:

```
C:\Users\Shady\PycharmProjects\pythonbasics\venv\Scripts\python.exe C:\Nalalyathiran\app\app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 535-692-799
```

The left sidebar shows the Project, Bookmarks, and Structure tool windows. The bottom status bar indicates the file encoding is UTF-8, 4 spaces, and Python 3.10.

Step 7:

Click the Link (or) Copy the address(<http://127.0.0.1:5000>) and put it, in the browser and click enter. Then the Result will be same as the below screenshot:



Step 8:

Now, you have successfully completed the process of creating simple flask project