

Setting Up Application Environment

Create Flask App

Date	2022-10-31
Team ID	PNT2022TMID31819
Project Name	Personal Expense Tracker Application

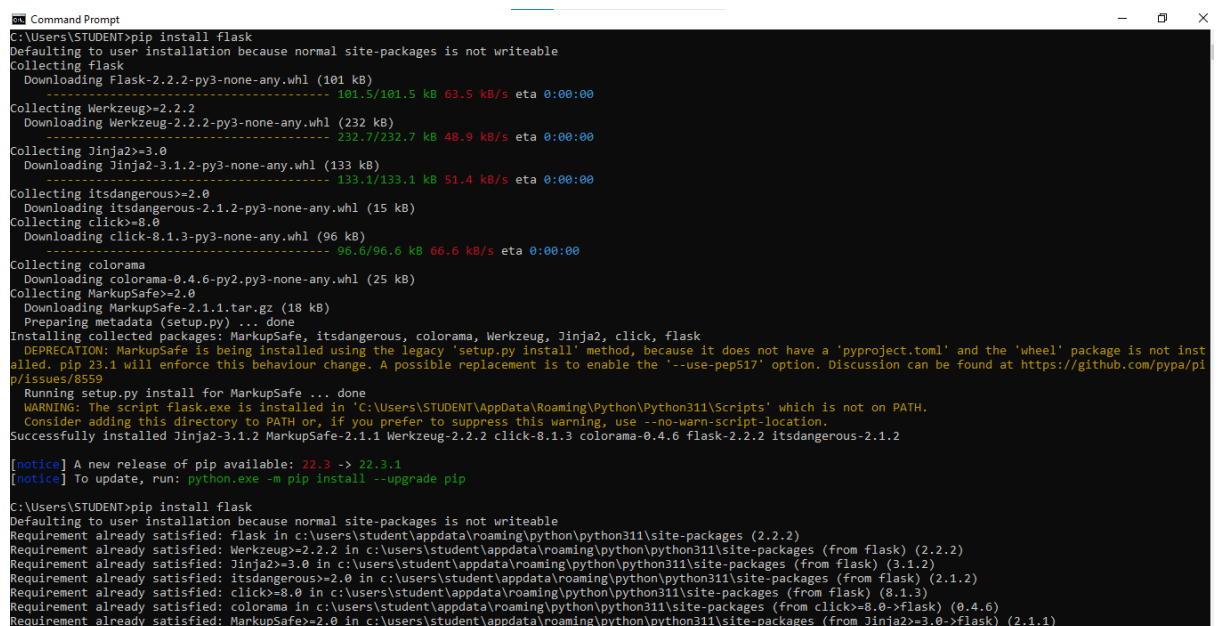
Step 1:

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 ass shown below



```
C:\Users\STUDENT>pip install flask
Defaulting to user installation because normal site-packages is not writeable
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    ----- 101.5/101.5 kB 63.5 kB/s eta 0:00:00
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    ----- 232.7/232.7 kB 48.9 kB/s eta 0:00:00
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    ----- 133.1/133.1 kB 51.4 kB/s eta 0:00:00
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    ----- 96.6/96.6 kB 66.6 kB/s eta 0:00:00
Collecting colorama
  Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1.tar.gz (18 kB)
  Preparing metadata (setup.py) ... done
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
DEPRECATION: MarkupSafe is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
Running setup.py install for MarkupSafe ... done
WARNING: The script flask.exe is installed in 'C:\Users\STUDENT\AppData\Roaming\Python\Python311\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 colorama-0.4.6 flask-2.2.2 itsdangerous-2.1.2

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\STUDENT>pip install flask
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: flask in c:\users\student\appdata\roaming\python\python311\site-packages (2.2.2)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\student\appdata\roaming\python\python311\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\student\appdata\roaming\python\python311\site-packages (from flask) (3.1.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\student\appdata\roaming\python\python311\site-packages (from flask) (2.1.2)
Requirement already satisfied: click>=8.0 in c:\users\student\appdata\roaming\python\python311\site-packages (from flask) (8.1.3)
Requirement already satisfied: colorama in c:\users\student\appdata\roaming\python\python311\site-packages (from click>=8.0->flask) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\student\appdata\roaming\python\python311\site-packages (from Jinja2>=3.0->flask) (2.1.1)
```

Step 3:

Then you can check whether the flask is installed or not in a system, by tying these Command in



```
Command Prompt
(portal_project) C:\Users\el>flask --version
Python 3.9.13
Flask 2.2.2
Werkzeug 2.2.2
(portal_project) C:\Users\el>
```

Step 4:

Open Visual Studio Code and enter the code given below,

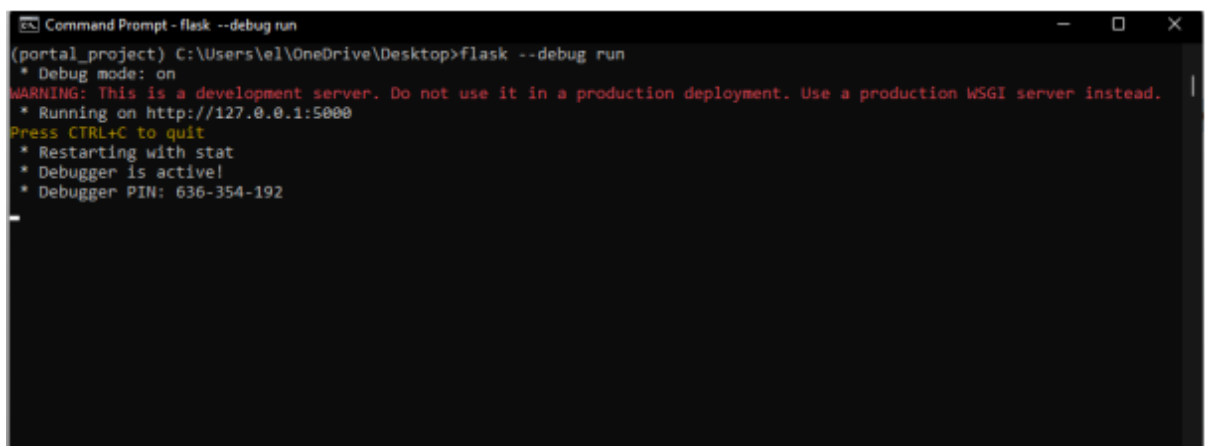
```
from flask import Flask
app = Flask(__name__)
@app.route("/")
def hello_world():
    return "<p>Hello, World!</p> "
```

Step 5:

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

Step 6:

Go to the file location and open command prompt and type this command in command prompt:



```
Command Prompt - flask --debug run
(portal_project) C:\Users\el\OneDrive\Desktop>flask --debug run
* 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: 636-354-192
```

Step 7:

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

⏪ ⏩ ↻ ⓘ 127.0.0.1:5000

Hello, World!