

Personal Expense Tracker Application

Team id: PNT2022TMID12530

Setting Up Application Environment

Create Flask Project

Step 1: Install Python latest version

```
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rahul Rv>python --version
Python 3.10.2

C:\Users\Rahul Rv>
```

Step 2: Install Flask

```
C:\Users\Rahul Rv>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
----- 101.5/101.5 KB 6.1 MB/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 7.2 MB/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 ? 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 5.4 MB/s eta 0:00:00
Requirement already satisfied: colorama in c:\users\rahul rv\appdata\roaming\python\python310\site-packages (from click=8.0->flask) (0.4.4)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.1-cp310-cp310-win_amd64.whl (17 kB)
Installing collected packages: MarkupSafe, itsdangerous, click, Werkzeug, Jinja2, flask
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 flask-2.2.2 itsdangerous-2.1.2
WARNING: You are using pip version 22.0.4; however, version 22.3.1 is available.
You should consider upgrading via the 'C:\Users\Rahul Rv\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.
```

```
Python 3.10.6
Flask 2.2.2
Werkzeug 2.2.2
```

Step 3: Run Flask App

```
index.py x Release Notes: 1.73.1 index.html
converter > index.py > ...
1  from flask import Flask, redirect, url_for, render_template, request
2
3  app = Flask(__name__)
4
5  @app.route("/", methods=['POST', 'GET'])
6  def home():
7      r = ''
8      if request.method=='POST' and 'fa' in request.form:
9          f = float(request.form.get('fa'))
10         r = round((f-32) * 5/9 , 2)
11         return render_template("index.html", res = r)
12
13 if __name__ == "__main__":
14     app.run(host="127.0.0.1", port=3000, debug=True)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
PS C:\Users\VMK\OneDrive\Documents\IBM PROJECT\IBM WORKS FLASK> python -u "c:\Users\VMK\OneDrive\Documents\IBM PROJECT\IBM WORKS FLASK\index.py"
* Serving Flask app 'index'
* 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://127.0.0.1:3000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 995-321-019
127.0.0.1 - - [17/Nov/2022 10:12:54] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2022 10:12:54] "GET /converter/static/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [17/Nov/2022 10:14:45] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2022 10:14:45] "GET /converter/static/styles.css HTTP/1.1" 404 -
```

Output

127.0.0.1:3000

YouTube Maps

Converter

Farenheit:

Celcius : 2.22