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INTERN ID : TN/IN02/PY/029

DOMAIN : PYTHON LANGUAGE

WEEK 6 TASK :

Task : Docker Image Creation

You have to make a Simple web page using html css and flask then convert your app to Docker image and run this.

PROCESS :

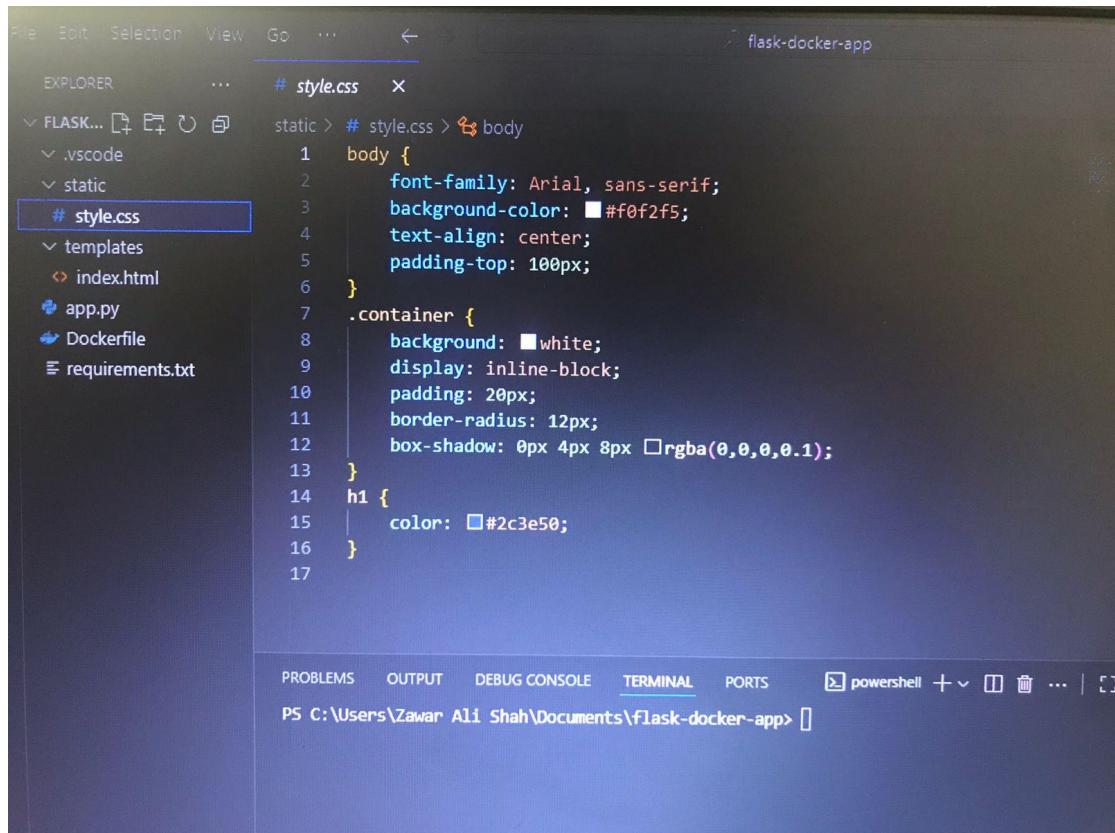
Create a simple Flask app

Add an HTML + CSS page

Write a Dockerfile

Build and run the Docker image

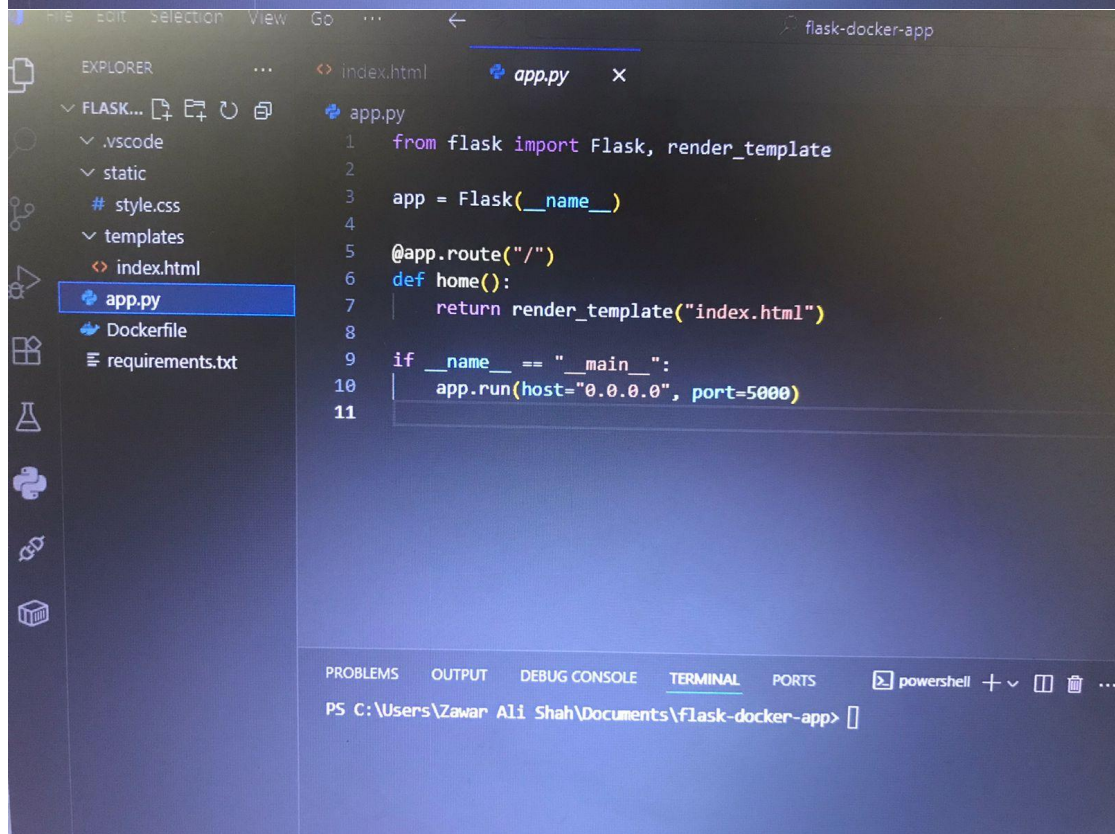
CODE SNIPPETS / SCREENSHOTS :



This screenshot shows the Visual Studio Code editor with the `style.css` file open. The Explorer sidebar on the left shows the project structure: `FLASK...`, `.vscode`, `static` (containing `style.css`), `templates`, `index.html`, `app.py`, `Dockerfile`, and `requirements.txt`. The main editor area displays the following CSS code:

```
static > # style.css > body
1  body {
2      font-family: Arial, sans-serif;
3      background-color: #f0f2f5;
4      text-align: center;
5      padding-top: 100px;
6  }
7  .container {
8      background: white;
9      display: inline-block;
10     padding: 20px;
11     border-radius: 12px;
12     box-shadow: 0px 4px 8px rgba(0,0,0,0.1);
13 }
14 h1 {
15     color: #2c3e50;
16 }
17
```

The bottom panel shows the TERMINAL tab with the command prompt: `PS C:\Users\Zawar Ali Shah\Documents\flask-docker-app>`.



This screenshot shows the Visual Studio Code editor with the `app.py` file open. The Explorer sidebar on the left shows the project structure: `FLASK...`, `.vscode`, `static` (containing `style.css`), `templates`, `index.html`, `app.py` (selected), `Dockerfile`, and `requirements.txt`. The main editor area displays the following Python code:

```
1  from flask import Flask, render_template
2
3  app = Flask(__name__)
4
5  @app.route("/")
6  def home():
7      return render_template("index.html")
8
9  if __name__ == "__main__":
10     app.run(host="0.0.0.0", port=5000)
11
```

The bottom panel shows the TERMINAL tab with the command prompt: `PS C:\Users\Zawar Ali Shah\Documents\flask-docker-app>`.

