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Task no: Week 6

TASK NO:1

Code:


```
static > ≡ style.ccss
  1    body {
  2        background-color: #f0f0f0;
  3        font-family: Arial, sans-serif;
  4        text-align: center;
  5        margin-top: 100px;
  6    }
  7
  8    h1 {
  9        color: #333;
 10    }
 11
 12    p {
 13        font-size: 18px;
 14        color: #666;
 15    }
```

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <title>My Simple Web Page</title>
6       <link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
7   </head>
8   <body>
9       <h1>Welcome to My Flask Web Page</h1>
10      <p>This is a simple web page using HTML, CSS, and Flask.</p>
11      <img src="https://cuddlespk.com/cdn/shop/files/StrawberryBunny.png?v=1722031663" alt="Strawberry Bunny" width="600">
12
13  </body>
14  </html>
```
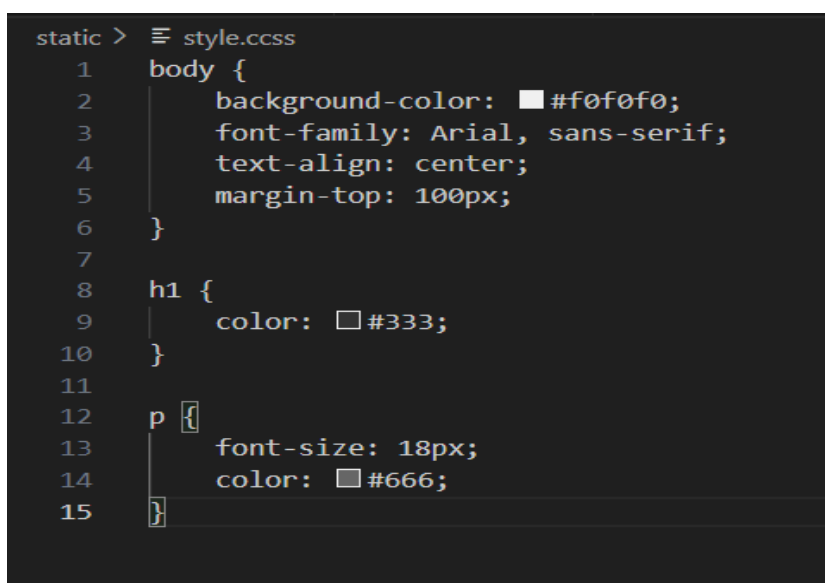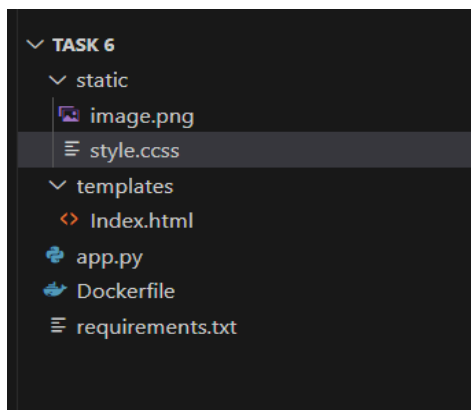
requirements.txt ●   Welcome   <> Index.html ●   ima

```python
app.py > ...
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
```

```dockerfile
# Base image
FROM python:3.10-slim

# Set working directory
WORKDIR /app

# Copy requirements and install
COPY requirements.txt requirements.txt
RUN pip install -r requirements.txt

# Copy app files
COPY . .

# Expose port
EXPOSE 5000

# Run app
CMD ["python", "app.py"]
```

requirements.txt
```
flask
```

Output:

```
PS D:\task 6> pip install flask
Requirement already satisfied: flask in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (3.1.2)
Requirement already satisfied: blinker>=1.9.0 in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from flask) (1.9.0)
Requirement already satisfied: click>=8.1.3 in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from flask) (8.2.1)
Requirement already satisfied: itsdangerous>=2.2.0 in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from flask) (2.2.0)
Requirement already satisfied: jinja2>=3.1.2 in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from flask) (3.1.6)
Requirement already satisfied: markupsafe>=2.1.1 in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from flask) (3.0.2)
Requirement already satisfied: werkzeug>=3.1.0 in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from flask) (3.1.3)
Requirement already satisfied: colorama in c:\users\laptop\appdata\local\programs\python\python313\lib\site-packages (from click>=8.1.3->flask) (0.4
.6)

[notice] A new release of pip is available: 25.1.1 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip
PS D:\task 6>
```

```
PS D:\task 6> python app.py
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://192.168.1.5:5000
Press CTRL+C to quit
PS D:\task 6>
```

```
PS D:\task 6> docker build -t myflaskapp .
ERROR: error during connect: Head "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/_ping": open //./pipe/dockerDesktopLinuxEngine: The system canno
t find the file specified.
PS D:\task 6>
```

```
PS D:\task 6> docker run -p 5000:500
docker: error during connect: Head "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/_ping": open //./pipe/dockerDesktopLinuxEngine: The system cann
ot find the file specified.

Run 'docker run --help' for more information
PS D:\task 6>
```