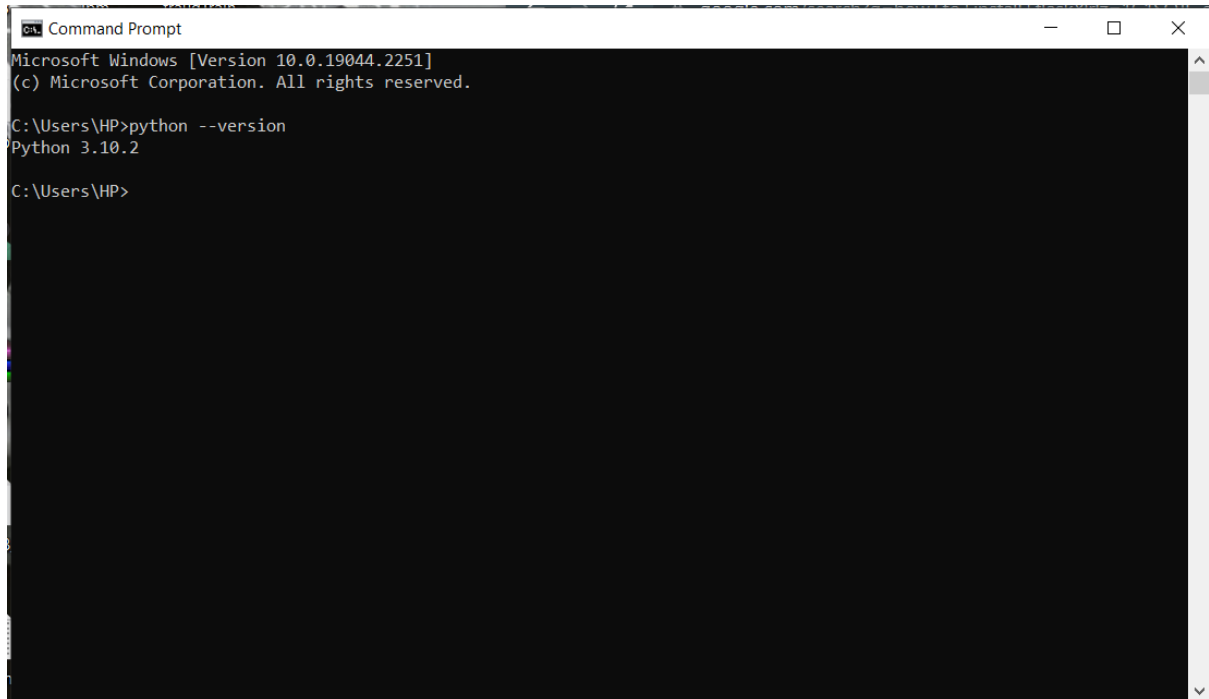


Setting Up Application Environment

Create Flask Project

Step 1: Install python latest version

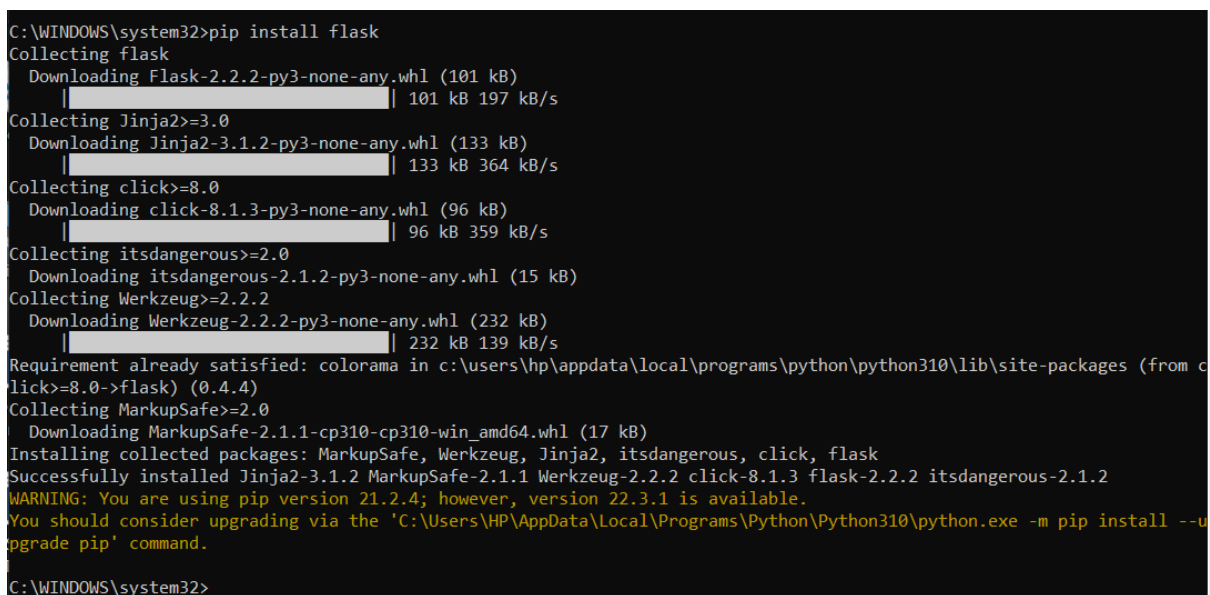


```
Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>python --version
Python 3.10.2

C:\Users\HP>
```

Step 2: Install Flask



```
C:\WINDOWS\system32>pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    | 101 kB 197 kB/s
Collecting Jinja2>=3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    | 133 kB 364 kB/s
Collecting click>=8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    | 96 kB 359 kB/s
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    | 232 kB 139 kB/s
Requirement already satisfied: colorama in c:\users\hp\appdata\local\programs\python\python310\lib\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, Werkzeug, Jinja2, itsdangerous, click, 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 21.2.4; however, version 22.3.1 is available.
You should consider upgrading via the 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.

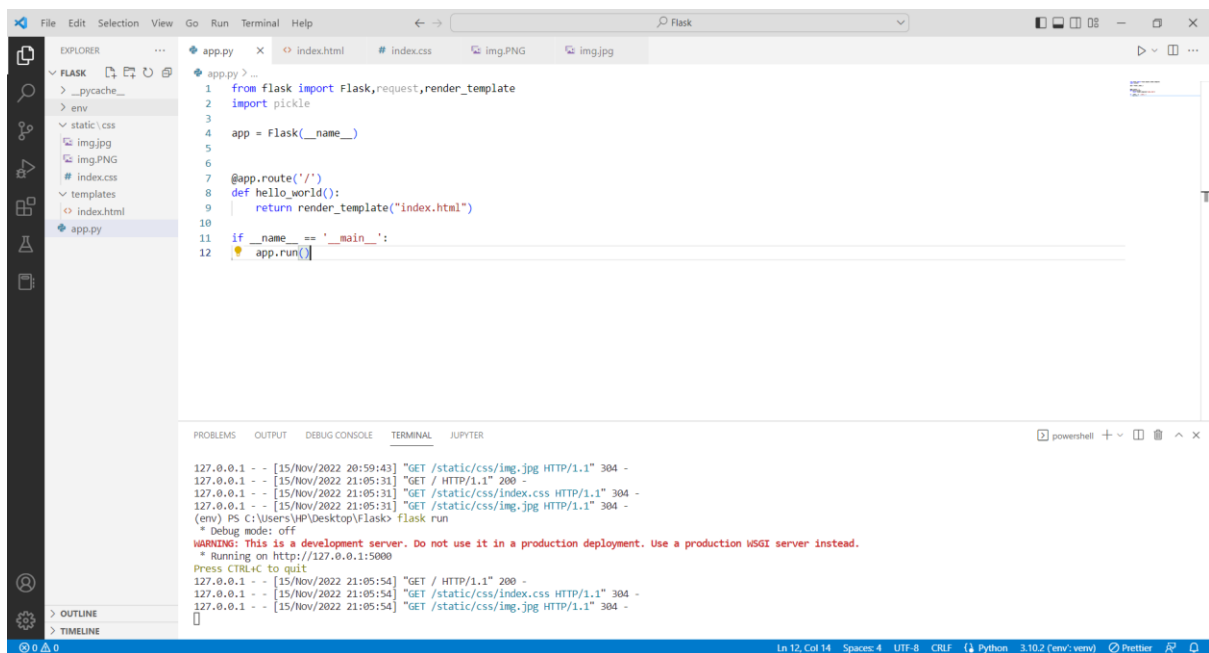
C:\WINDOWS\system32>
```

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>python -m flask --version
Python 3.10.2
Flask 2.2.2
Werkzeug 2.2.2

C:\Users\HP>
```

Step 3: Run flask app



The screenshot shows the Visual Studio Code editor with a project named 'Flask'. The Explorer sidebar on the left shows the file structure: `FLASK` (containing `__pycache__`, `env`, `static` (with `css`), `img` (with `jpg` and `PNG`), `templates`, and `index.html`), and `app.py`. The main editor displays the content of `app.py`:

```
1 from flask import Flask, request, render_template
2 import pickle
3
4 app = Flask(__name__)
5
6
7 @app.route('/')
8 def hello_world():
9     return render_template("index.html")
10
11 if __name__ == '__main__':
12     app.run()
```

The TERMINAL panel at the bottom shows the output of running the application:

```
127.0.0.1 - - [15/Nov/2022 20:59:43] "GET /static/css/img.jpg HTTP/1.1" 304 -
127.0.0.1 - - [15/Nov/2022 21:05:31] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 21:05:31] "GET /static/css/index.css HTTP/1.1" 304 -
127.0.0.1 - - [15/Nov/2022 21:05:31] "GET /static/css/img.jpg HTTP/1.1" 304 -
(env) PS C:\Users\HP\Desktop\Flask> flask run
* 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 http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [15/Nov/2022 21:05:54] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 21:05:54] "GET /static/css/index.css HTTP/1.1" 304 -
127.0.0.1 - - [15/Nov/2022 21:05:54] "GET /static/css/img.jpg HTTP/1.1" 304 -
```

Step 4: Output

