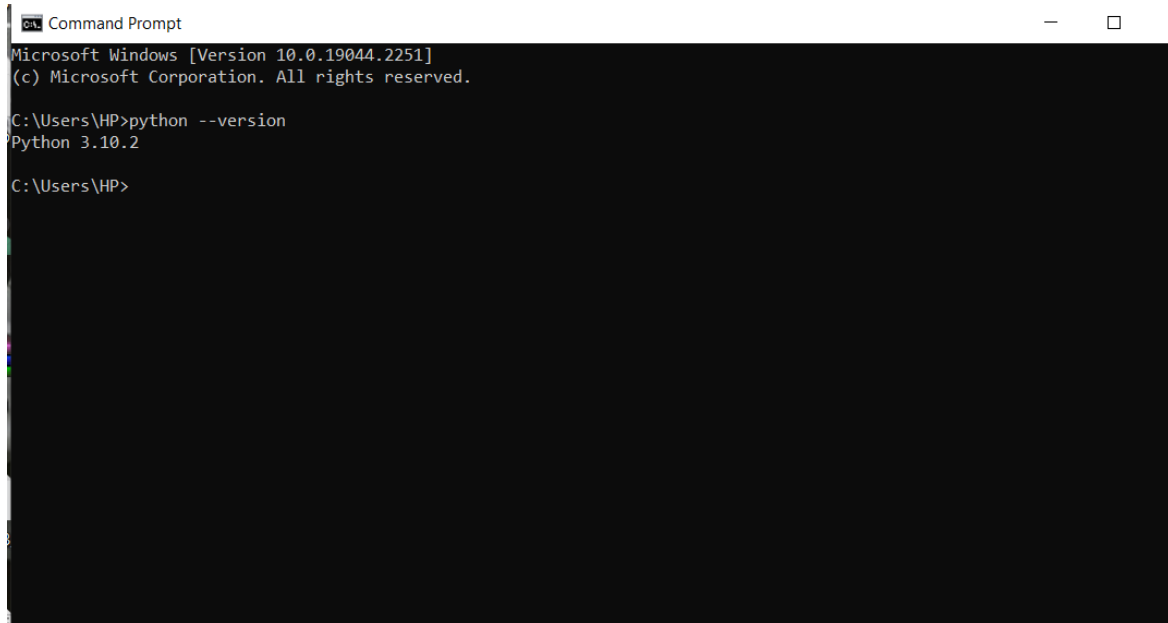


Setting Up Application Environment

Create Flask Project

Step 1: Install python latest version

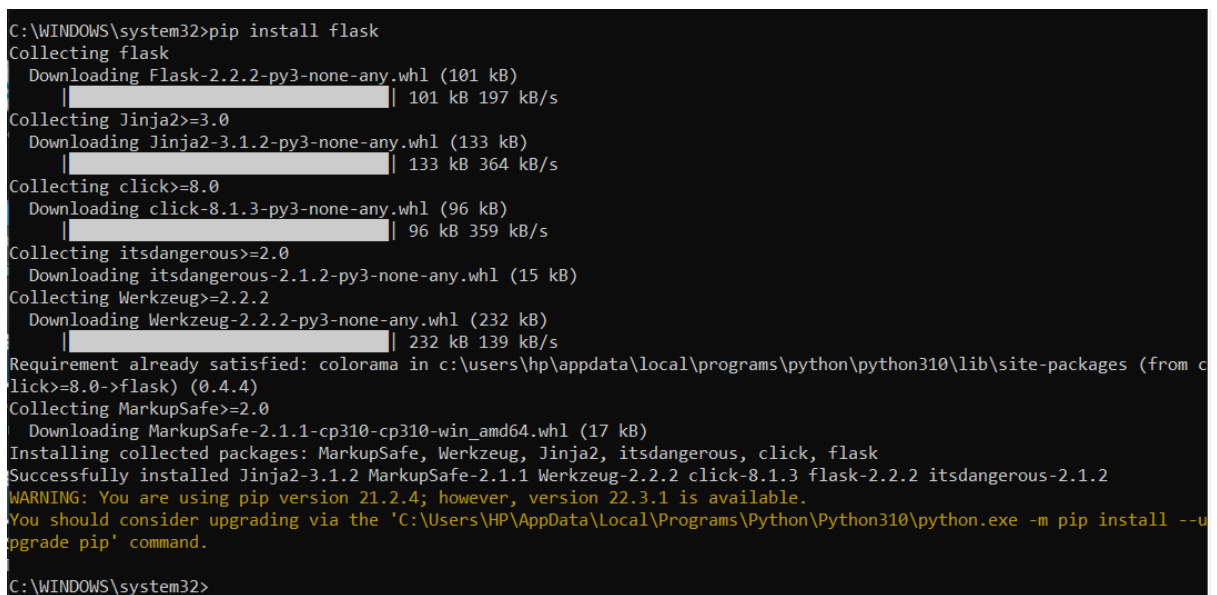


```
Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

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.

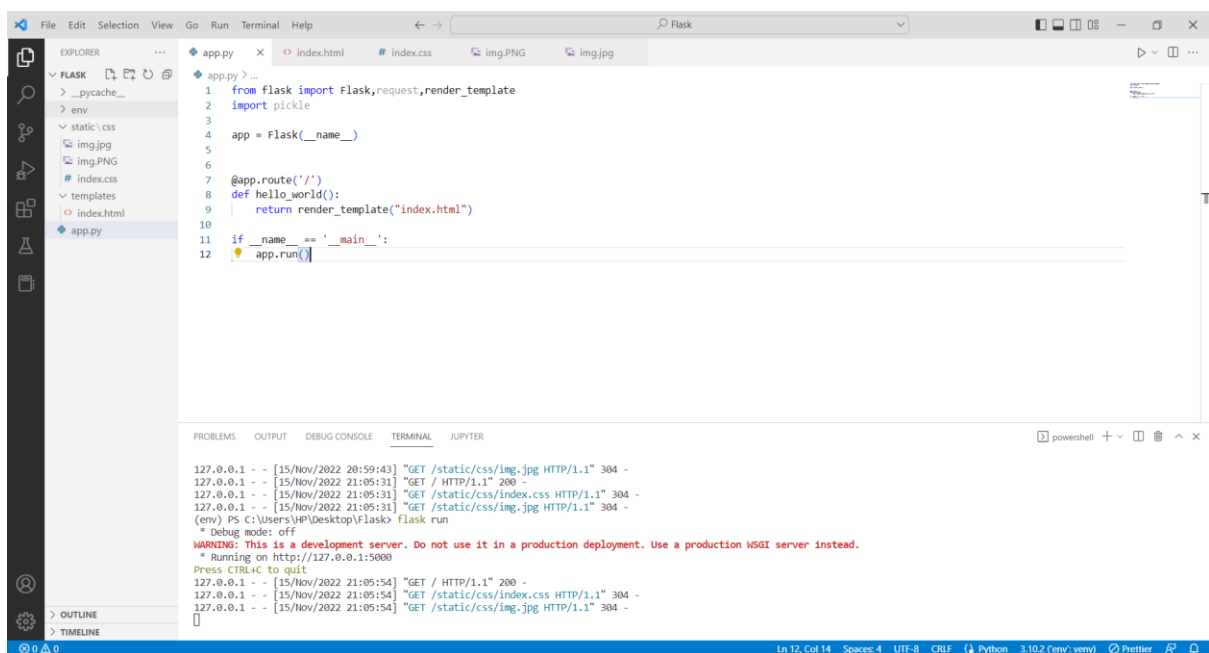
C:\WINDOWS\system32>
```

```
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 a Visual Studio Code editor with a Flask application open. The Explorer sidebar on the left shows the project structure: `FLASK` (containing `_pycache_`, `env`, `static/css`, `img.jpg`, `img.PNG`, `index.css`, `templates`, `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()
```

Below the editor, the TERMINAL panel 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 -
```

The status bar at the bottom indicates the current file is `Ln 12, Col 14`, using `Spaces: 4`, `UTF-8` encoding, `CRLF` line endings, with `Python 3.10.2 (env: venv)` interpreter and `Prettier` formatter.

Step 4: Output

The screenshot displays a web browser window with the address bar showing '127.0.0.1:5000'. The browser tabs include 'Setup a Flask Application in VS C...', '(7) WhatsApp', 'IBM-Project-52299-1660994823', 'Document', and 'IBM'. The webpage has a dark background with a radial light pattern. At the top, the title 'CONTACT FORM' is centered in a light gray font. Below the title, there are two main sections: 'About us' on the left and a registration form on the right. The 'About us' section contains the text: 'A news tracker application that helps to find the news of interest by availing search facility.To put it simply an application that keeps us updated while helping us manage time efficiently'. The registration form includes fields for 'Name' (with placeholder 'full name'), 'Gender' (radio buttons for 'Female' and 'Male'), 'Date of Birth' (with placeholder 'dd-mm-yyyy' and a calendar icon), 'Nationality' (a dropdown menu with 'Indian' selected), 'Qualification' (with placeholder 'Qualification'), 'Email' (with placeholder 'Email'), and 'Password' (with placeholder 'Password'). A 'Submit' button is located at the bottom of the form. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the time as 21:08 and the date as 15-11-2022.

CONTACT FORM

About us

A news tracker application that helps to find the news of interest by availing search facility.To put it simply an application that keeps us updated while helping us manage time efficiently

Name

Gender ☐ Female ☒ Male

Date of Birth

Nationality

Qualification

Email

Password