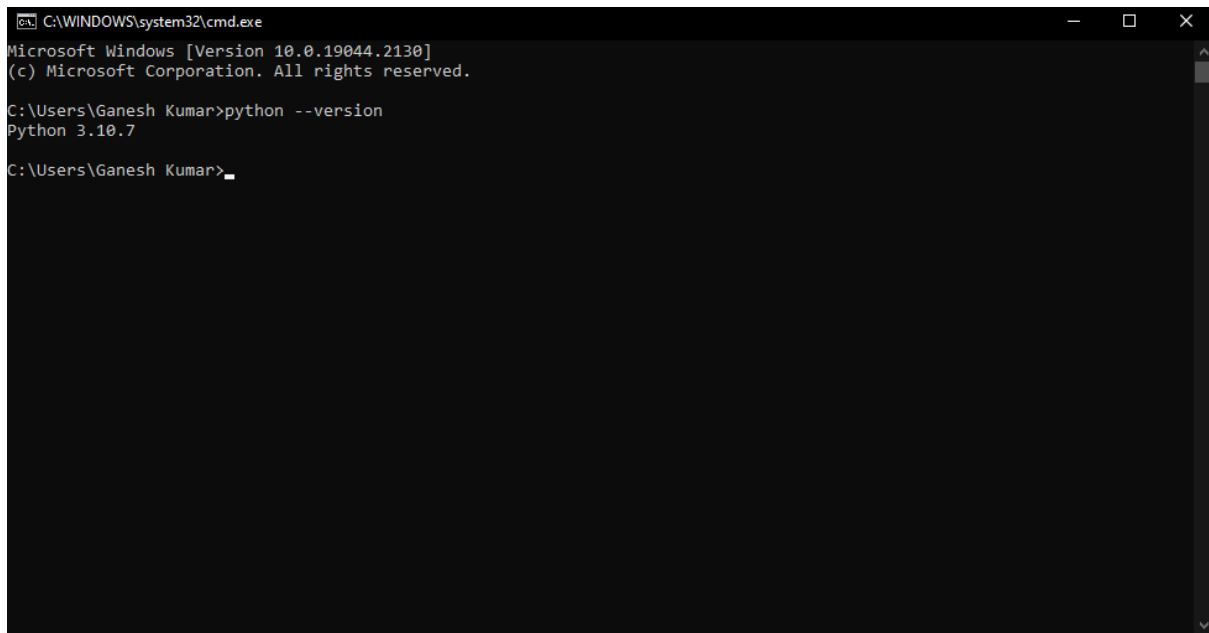


# Setting Up Application Environment

## Create Flask Project

Step 1: Install python latest version

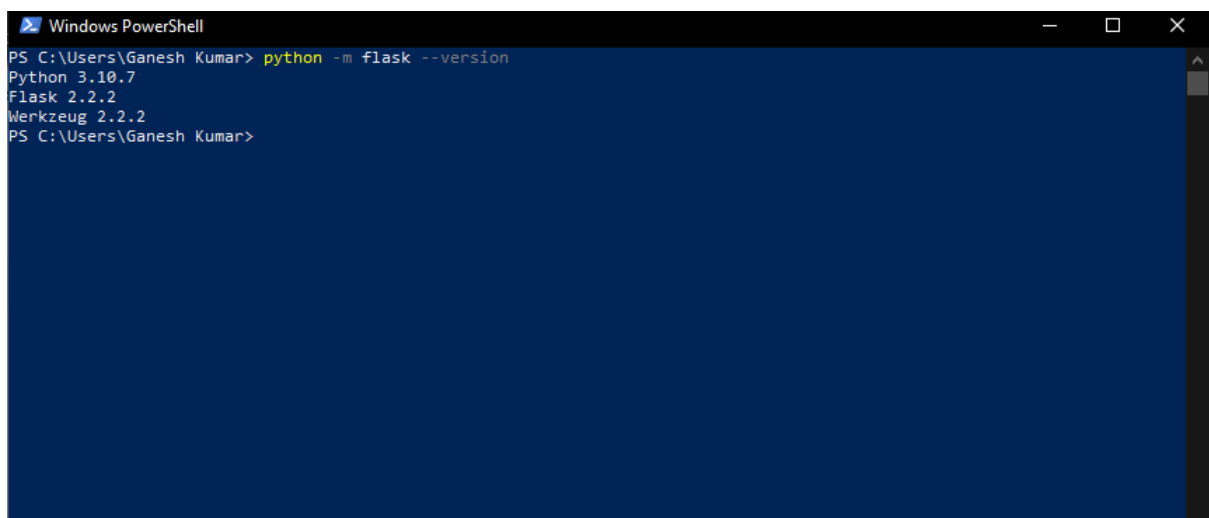


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ganesh Kumar>python --version
Python 3.10.7

C:\Users\Ganesh Kumar>
```

Step 2: Install Flask



```
Windows PowerShell
PS C:\Users\Ganesh Kumar> python -m flask --version
Python 3.10.7
Flask 2.2.2
Werkzeug 2.2.2
PS C:\Users\Ganesh Kumar>
```

Step 3: Run flask app

The screenshot shows the VS Code editor with the following components:

- EXPLORER:** A file tree on the left showing a project structure with folders like 'mydb' and 'static', and files like 'app.py', 'signin.html', 'signup.html', 'Nav.html', 'bucket.css', 'bucket image.html', 'signinin.html', 'index.html', 'homepage.html', 'signinup.html', and 'app.py'.
- EDITOR:** The main area showing the code for 'app.py'. The code includes imports for Flask, routes for '/', '/signin', and '/sg', and a 'send\_data' function that handles POST requests by checking for 'uname' and 'roll' in the request form.
- TERMINAL:** The bottom panel shows the output of running the application. It displays the command 'PS E:\Flask> & "C:\Program Files\Python310\python.exe" e:\Flask/app.py' and the resulting output: 'Serving Flask app 'app'', 'Debug mode: off', and 'Running on http://127.0.0.1:5000'. It also includes a warning: 'WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.' and a prompt to 'Press CTRL+C to quit'.

## Step 4: Output

The screenshot shows a web browser window at 'localhost:5000' displaying a 'Sign Up' form. The form is centered on a light blue background and contains the following elements:

- Sign Up:** A heading at the top of the form.
- Username:** A text input field with the placeholder text 'Enter username'.
- Roll Number:** A text input field with the placeholder text 'Enter roll number'.
- Email:** A text input field with the placeholder text 'Enter Email'.
- Password:** A text input field with the placeholder text 'Enter Password'.
- Remember me:** A checkbox labeled 'Remember me' that is checked.
- Buttons:** Two buttons at the bottom: a red 'Cancel' button and a green 'Sign Up' button.
- Footer:** A link at the bottom that says 'Already registered user [signin](#)'.