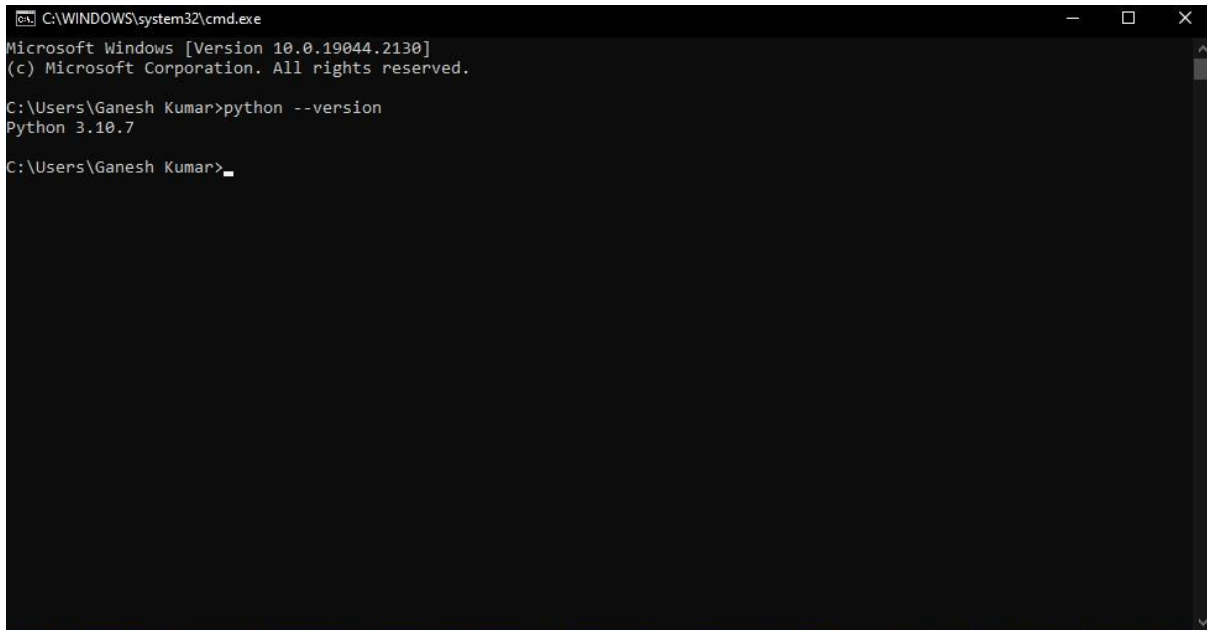


# Setting Up Application Environment

## Create Flask Project

Step 1: Install python latest version

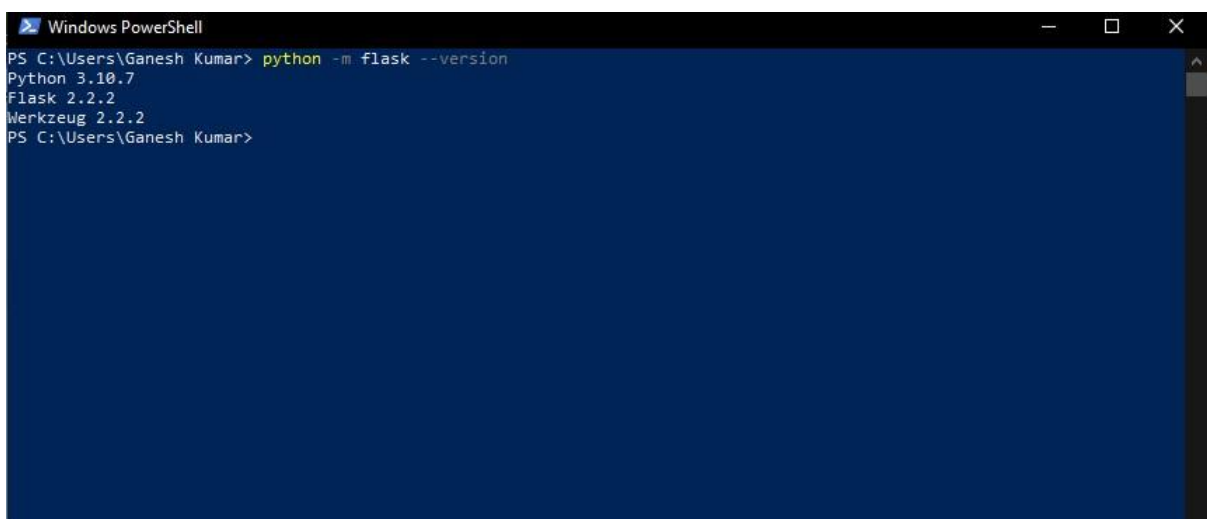


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

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 a VS Code editor with a project named 'FLASK'. The file explorer on the left shows a directory structure with files like 'mydb', 'testconnection.py', 'static', 'signup.css', 'templates', 'homepage.html', 'index.html', 'Nav.html', 'signin.html', 'signup.html', and 'app.py'. The main editor window displays the code for 'app.py', which includes imports for Flask, routes for '/', '/signin', and '/sg', and a 'send\_data' function that handles POST requests for login. The terminal at the bottom shows the command 'PS E:\Flask> & "C:\Program Files\Python310\python.exe" e:/Flask/app.py' and the output, which includes a warning that this is a development server and provides the URL 'http://127.0.0.1:5000'.

```
1 from flask import Flask, redirect, render_template, request, url_for
2 app = Flask(__name__)
3
4 @app.route("/")
5 def homepage():
6     return render_template("signup.html")
7
8 @app.route("/signin")
9 def render_signin():
10     return render_template("signin.html")
11
12 @app.route('/sg')
13 def signin():
14     return redirect(url_for('signup'))
15
16
17 @app.route("/login", methods=['POST'])
18 def send_data():
19     username = request.form['uname']
20     rollnumber = request.form['roll']
```

PROBLEMS 81 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Windows PowerShell  
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Flask> & "C:\Program Files\Python310\python.exe" e:/Flask/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 http://127.0.0.1:5000  
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 has a light blue background and a white border. It contains four text input fields labeled 'Username', 'Roll Number', 'Email', and 'Password'. Below these fields is a checkbox labeled 'Remember me' which is checked. At the bottom of the form are two buttons: a red 'Cancel' button and a green 'Sign Up' button. Below the buttons, there is a link that says 'Already registered user [signin](#)'.