

WebX Exp 3

Aim :-

To develop a basic Flask application with multiple routes and demonstrate the handling of GET and POST requests.

Code :-

App.py :

```
from flask import Flask, request, render_template
```

```
app = Flask(__name__)
```

```
@app.route('/')
def home():
    return render_template('index.html')
```

```
@app.route('/submit', methods=['POST'])
def submit():
    data = request.form['data']
    return f"You submitted: {data}"
```

```
@app.route('/get-data', methods=['GET'])
def get_data():
    return "This is a GET request response."
```

```
if __name__ == '__main__':
    app.run(debug=True)
```

templates/index.html :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Flask App</title>
</head>
<body>
    <h1>Flask Application</h1>
    <form action="/submit" method="post">
        <input type="text" name="data" placeholder="Enter some data" required>
```

```
<button type="submit">Submit</button>
</form>
<a href="/get-data">Get Data</a>
</body>
</html>
```

Output :-

Landing page

Entered data in landing page

Flask Application

[Get Data](#)

After pressing Submit

You submitted: Yo

Flask Application

[Get Data](#)

After clicking Get Data

This is a GET request response.

Conclusion :-

This basic Flask application demonstrates how GET and POST requests work and are handled, and the same was understood, and performed successfully.