- Aim : to develop a flask application for simple calculator
- Procedure:

App.py

```
from flask import Flask, render_template, request

app = Flask(__name__)

@app.route('/calculate', methods=['POST'])
def calculate():
    operation = request.form['operation']
    num1 = float(request.form['num1'])
    num2 = float(request.form['num2'])

    if operation == 'add':
        result = num1 + num2
    elif operation == 'subtract':
        result = num1 - num2
    elif operation == 'multiply':
        result = num1 * num2
    elif operation == 'divide':
        if num2 == 0:
            result = "Division by zero error"
        else:
            result = num1 / num2
    else:
        result = "Invalid operation"

    return render_template('index.html', result=result)

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

html code:

```
<body>
    <h1>Simple Calculator</h1>
    <form method="POST" action="/calculate">
        <input type="text" name="num1" placeholder="Enter number 1">
        <input type="text" name="num2" placeholder="Enter number 2">
        <select name="operation">
            <option value="add">Add</option>
            <option value="subtract">Subtract</option>
            <option value="multiply">Multiply</option>
            <option value="divide">Divide</option>
        </select>
        <input type="submit" value="Calculate">
    </form>
    {% if result %}
        <p>Result: {{ result }}</p>
```

```
    {% endif %}
</body>
```

- Run the flask project and get the calculator output