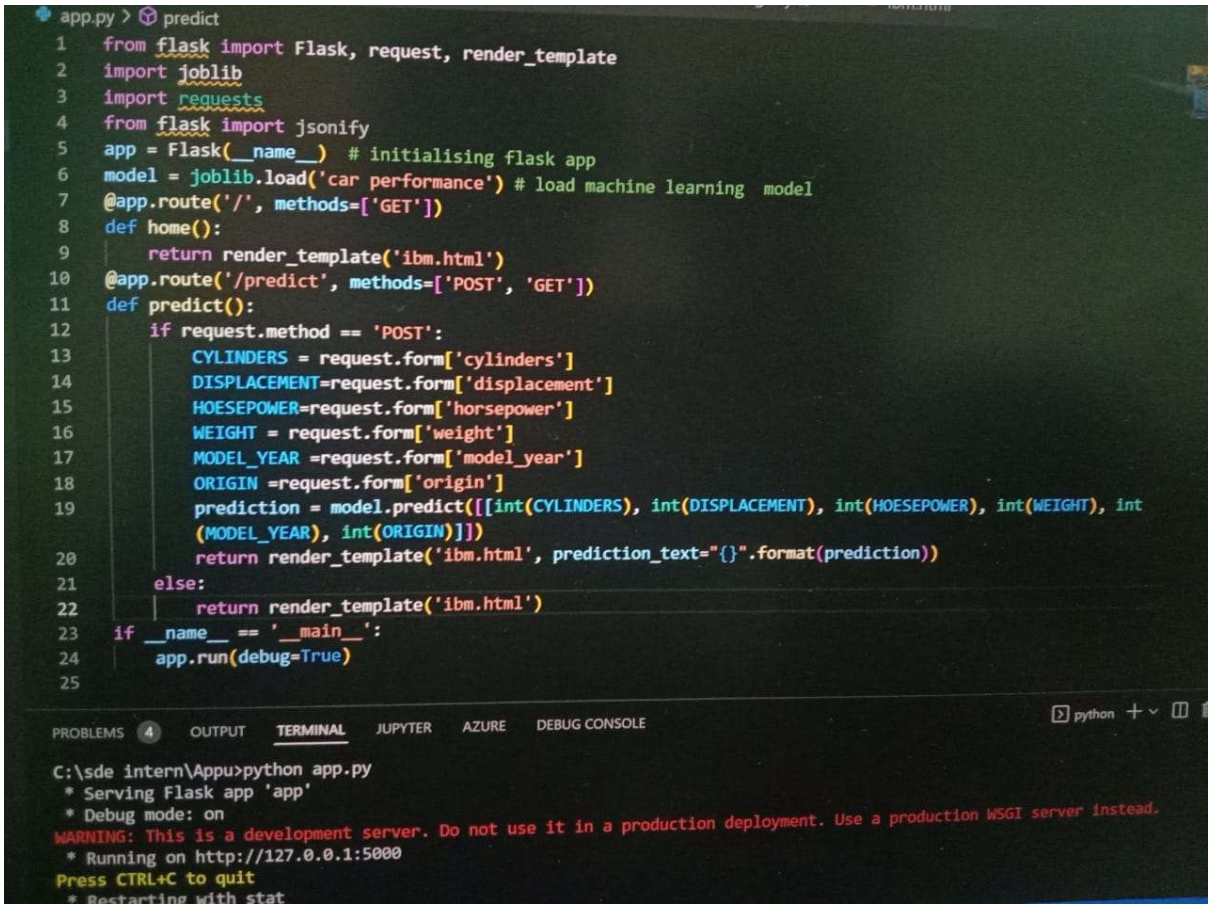
SPRINT-2

Team ID -PNT2022TMID54018 Date : 15 November 2022

Flask Code :



```
app.py > predict
1   from flask import Flask, request, render_template
2   import joblib
3   import requests
4   from flask import jsonify
5   app = Flask(__name__)  # initialising flask app
6   model = joblib.load('car performance') # load machine learning  model
7   @app.route('/', methods=['GET'])
8   def home():
9       return render_template('ibm.html')
10  @app.route('/predict', methods=['POST', 'GET'])
11  def predict():
12      if request.method == 'POST':
13          CYLINDERS = request.form['cylinders']
14          DISPLACEMENT=request.form['displacement']
15          HOESEPOWER=request.form['horsepower']
16          WEIGHT = request.form['weight']
17          MODEL_YEAR =request.form['model_year']
18          ORIGIN =request.form['origin']
19          prediction = model.predict([[int(CYLINDERS), int(DISPLACEMENT), int(HOESEPOWER), int(WEIGHT), int
            (MODEL_YEAR), int(ORIGIN)]])
20          return render_template('ibm.html', prediction_text="{}".format(prediction))
21      else:
22          return render_template('ibm.html')
23  if __name__ == '__main__':
24      app.run(debug=True)
25

PROBLEMS 4  OUTPUT  TERMINAL  JUPYTER  AZURE  DEBUG CONSOLE        python

C:\sde intern\Appu>python app.py
 * Serving Flask app 'app'
 * Debug mode: on
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
 * Restarting with stat
```

TEST CASE	No of Cylinders	Displacement	HP	Weight	Year	Origin	Predicted Value
1	8	400	175	5140	71	1	13
2	6	258	110	2962	71	1	18
3	4	140	72	2408	71	1	22
4	6	250	100	3282	71	1	19
5	6	250	88	3139	71	1	18