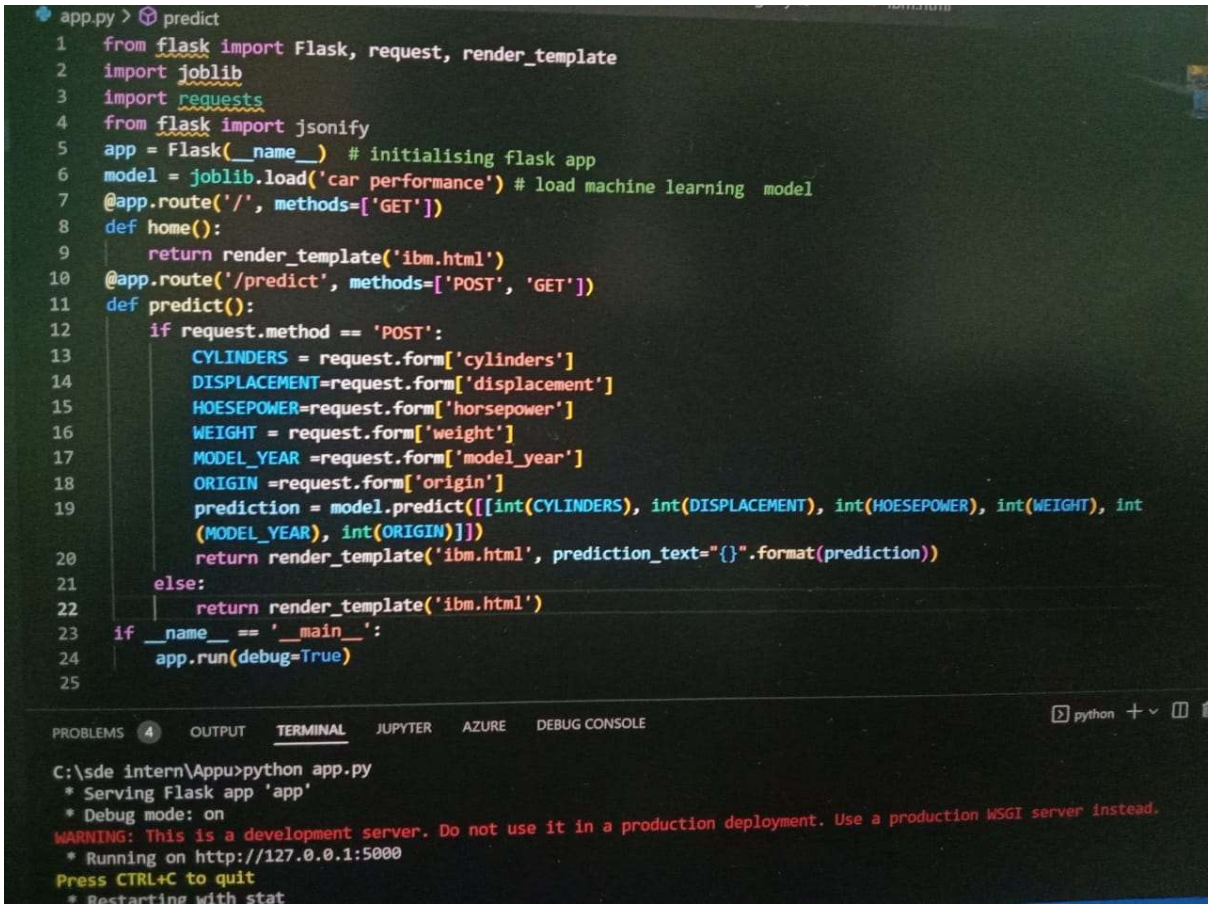
SPRINT-3

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	4	120	97	2506	72	3	23
2	4	98	80	2164	72	1	28
3	4	97	88	2100	72	3	27
4	8	350	175	4100	73	1	13
5	8	304	150	3672	73	1	14