

SPRINT-4

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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
20                                     (MODEL_YEAR), int(ORIGIN)]])
21         return render_template('ibm.html', prediction_text="{}".format(prediction))
22     else:
23         return render_template('ibm.html')
24 if __name__ == '__main__':
25     app.run(debug=True)
```

PROBLEMS 4 OUTPUT TERMINAL JUPYTER AZURE DEBUG CONSOLE

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

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TEST CASE	No of Cylinders	Displacement	HP	Weight	Year	Origin	Predicted Value
1	6	250	88	3021	73	1	18
2	6	198	95	2904	73	1	23
3	4	97	46	1950	73	2	26
4	8	400	150	4997	73	1	11
5	8	400	167	4906	73	1	12