

Visual Studio Code interface showing a Python Flask application named 'app.py' in the 'IBM Project' workspace.

EXPLORER:

- OPEN EDITORS
 - app.py
 - Model Building (IBM Watson studio).ipynb
 - style.css
 - index.html
- IBM PROJECT
 - env
 - Static\css
 - background.jpg
 - style.css
 - Templates
 - index.html
 - app.py
 - car performance.csv
 - RandomForestRegressor.pkl

app.py Code:

```
1 import numpy as np
2 from flask import Flask, request, jsonify, render_template
3 import pickle
4 #from joblib import load
5 app = Flask(__name__)
6 model = pickle.load(open('RandomForestRegressor.pkl', 'rb'))
7
8 @app.route('/')
9 def home():
10     return render_template('index.html')
11
12 @app.route('/y_predict', methods=['POST'])
13 def y_predict():
14     """
15     For rendering results on HTML GUI
16     """
17     x_test = [[int(x) for x in request.form.values()]]
18     print(x_test)
19     #sc = load('scalar.save')
20     prediction = model.predict(x_test)
21     print(prediction)
22     output=prediction[0]
23     if(output<=9):
24         pred="Worst performance with mileage " + str(prediction[0]) + ". Carry extra fuel"
25     if(output>9 and output<=17.5):
```

TERMINAL:

```
C:\Users\Musharraf\AppData\Roaming\Python\Python310\site-packages\sklearn\base.py:370: UserWarning: Trying to unpickle estimator DecisionTreeRegressor from version 0.22.1 when using version 1.1.3. This might lead to your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
warnings.warn(
* Debugger is active!
```

STATUS BAR: Ln 3, Col 1 Spaces: 4 UTF-8 CRLF Python

System Tray: 27°C 07:44 PM 19-11-2022