

Date	17 September 2022
Team ID	PNT2022TMID25799
Project Name	Project – Car Resale Value Prediction
Maximum Marks	2 Marks

```
from flask import Flask,render_template, request
```

```
import pandas as pd
```

```
import pickle
```

```
import numpy as np
```

```
app=Flask(__name__,template_folder='template')
```

```
model=pickle.load(open("test.pkl",'rb'))
```

```
car=pd.read_csv("Cleaned car.csv")
```

```
@app.route("/")
```

```
def index():
```

```
    companies = sorted(car['company'].unique())
```

```
    car_models = sorted(car['name'].unique())
```

```
    year = sorted(car['year'].unique(), reverse=True)
```

```
    fuel_type=car['fuel_type'].unique()
```

```
companies.insert(0,"Select Company")

return render_template('index.html', companies=companies,
car_models=car_models, years=year, fuel_types=fuel_type)

@app.route('/predict',methods=['POST'])
def predict():

    company= request.form.get('company')
    car_model=request.form.get('car_model')
    year=int(request.form.get('year'))
    fuel_type=request.form.get('fuel_type')
    kms_driven=int(request.form.get('kilo_driven'))

    prediction = model.predict(pd.DataFrame([[car_model,
company, year, kms_driven, fuel_type]],
columns=['name','company', 'year','kms_driven','fuel_type']))

    return str(np.round(prediction[0],2))

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