Practical-5

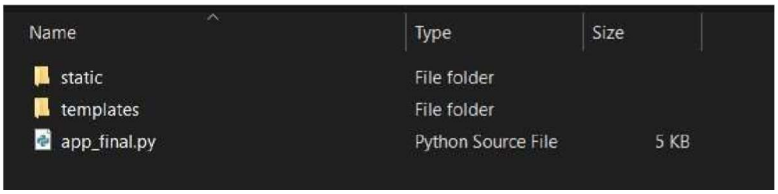
Deployment of ML project using Flask.

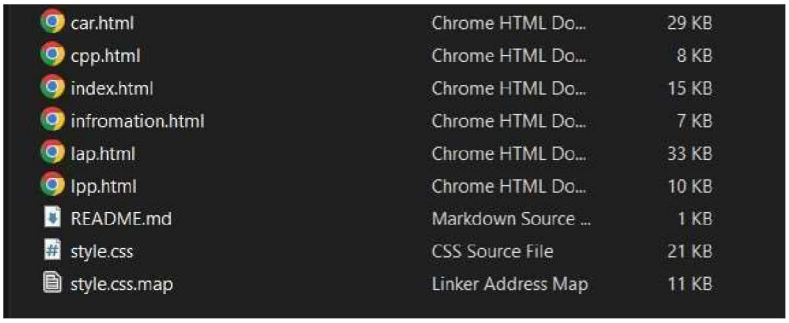
Task 1: Install the required libraries

pip install Flask

Task 2: Follow the steps described in theory material to deploy the model using Flask. Run the flask application to execute the deployed model.

Step :1 Create Templates





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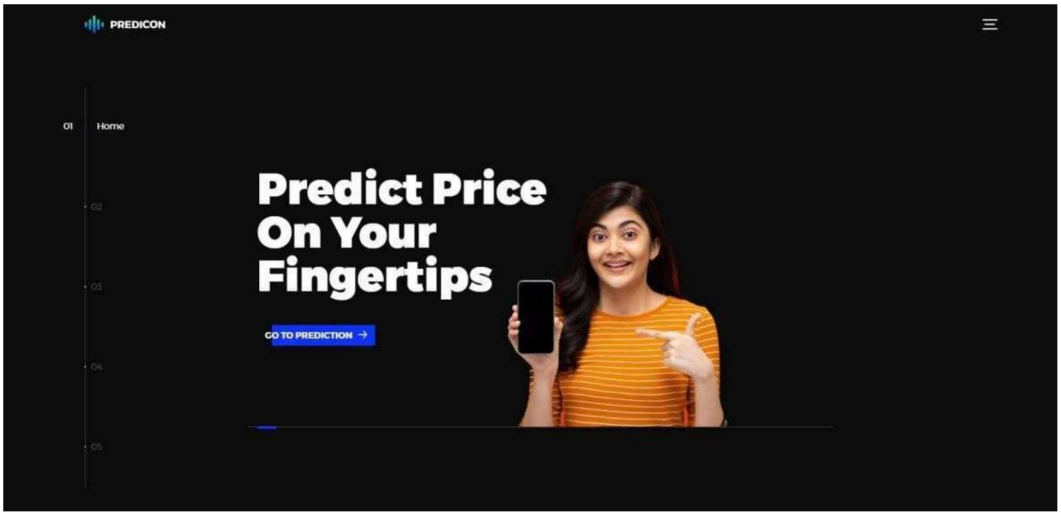
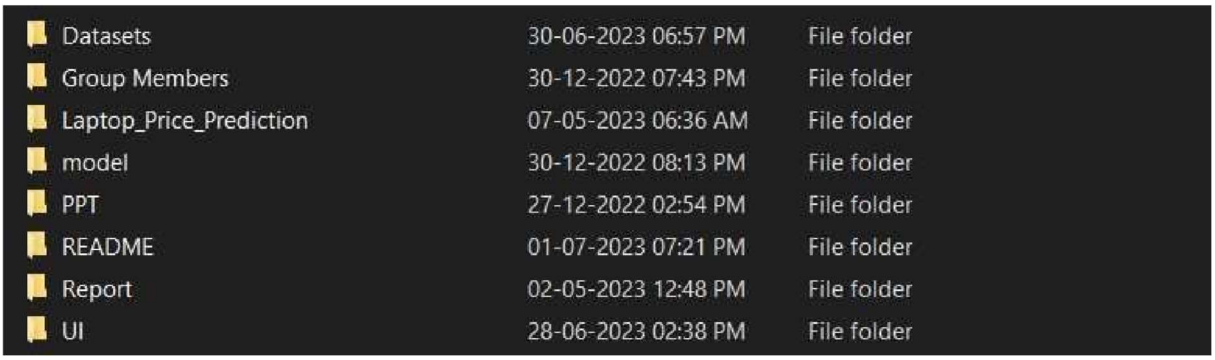
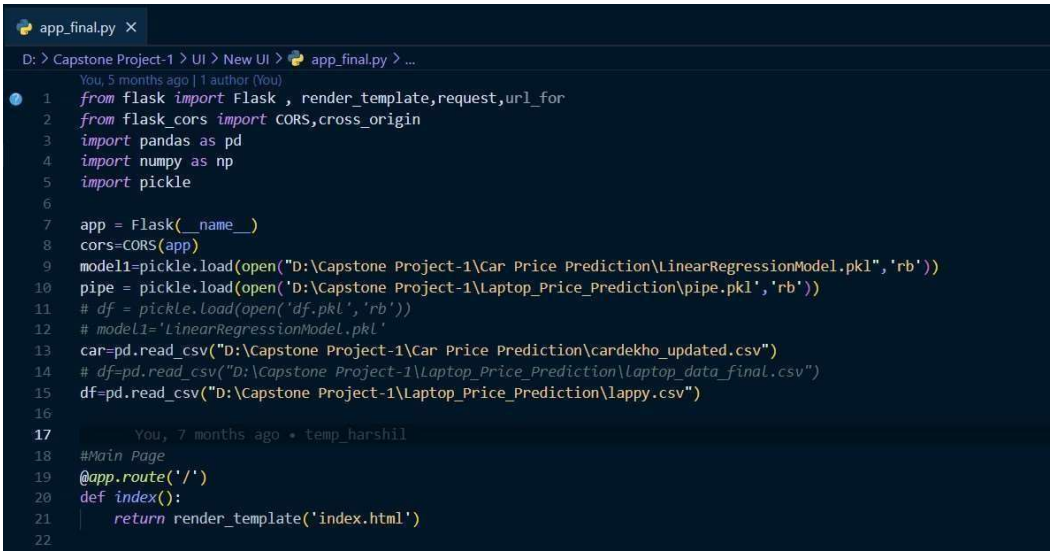
User Interface :



Step: 2 Import the Model, Dataset, and Scalar objects into the project folder.



Step: 3 Create the app.py file to serve the deployment



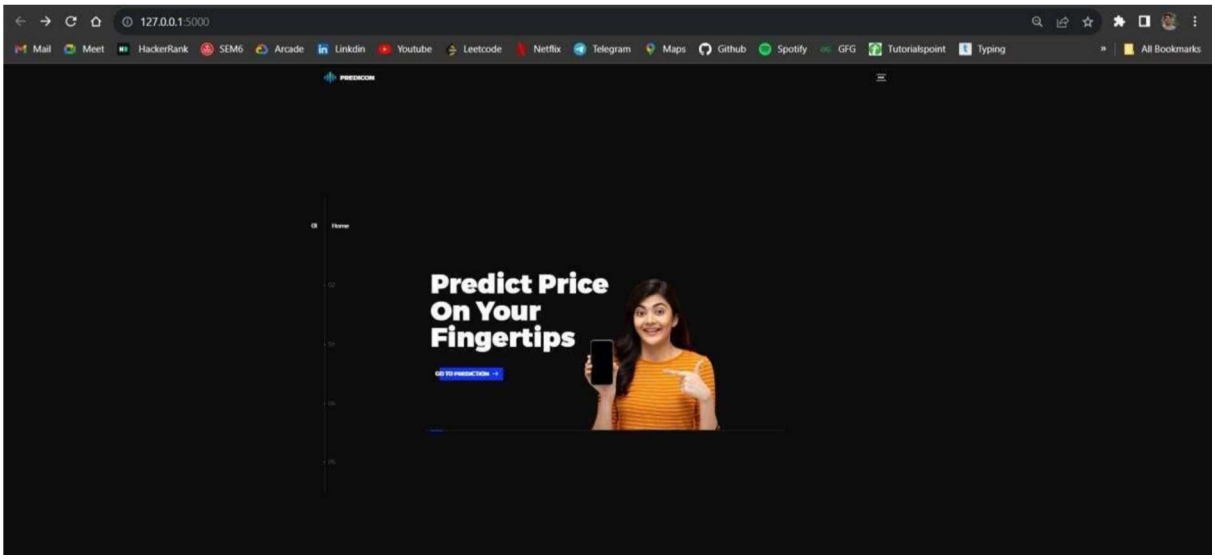
Code : app.py

from flask import Flask , render_template,request,url_for
from flask_cors import CORS,cross_origin import pandas
as pd import numpy as np import pickle

app = Flask(__name__) cors=CORS(app)

```
model1=pickle.load(open("D:\Capstone Project-1\Car Price
Prediction\LinearRegressionModel.pkl",'rb'))

car=pd.read_csv("D:\Capstone Project-1\Car Price Prediction\cardekho_updated.csv")

#Main Page
@app.route('/') def index():     return
render_template('index.html')



#Car Price Prediction
@app.route('/cpp') def
cpp():
   #model=sorted(car['full_name'].unique())
car_models=sorted(car['full_name'].unique())
companies=(car['company'].unique())
transmission_type=sorted(car['transmission_type'].unique())
year=sorted(car['year'].unique(),reverse=True)
fuel_type=car['fuel_type'].unique()     km_driven=(request.form.get('km_driven'))

   return
render_template('car.html',companies=companies,car_models=car_models,transmission_type=t
rans
mission_type, year=year, fuel_type=fuel_type,km_driven=km_driven)

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

Output :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Mail
Meet
HackerRank
SEM6
Arcade
Linkdin
Youtube
Leetcode
Netflix
Telegram
Maps
Github
Spotify
GFG
Tutorialspoint
Typing
All Bookmarks
Home
Predict Price
On Your
Fingertips

Car Price Prediction

Company Name

Maruti

Model

Maruti A Star

Transmission Type

Manual

Year Of Purchase

2011

Fuel type

Petrol

Kms Travelled

80000

Predict Price

Predicted Price : ₹76396.28