Practical-5

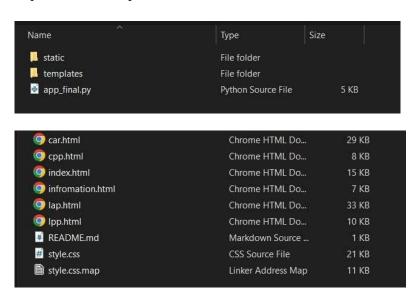
Deployment of ML project using Flask.

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



User Interface:



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

Datasets	30-06-2023 06:57 PM	File folder
Group Members	30-12-2022 07:43 PM	File folder
Laptop_Price_Prediction	07-05-2023 06:36 AM	File folder
model	30-12-2022 08:13 PM	File folder
PPT	27-12-2022 02:54 PM	File folder
README	01-07-2023 07:21 PM	File folder
📙 Report	02-05-2023 12:48 PM	File folder
🔲 UI	28-06-2023 02:38 PM	File folder

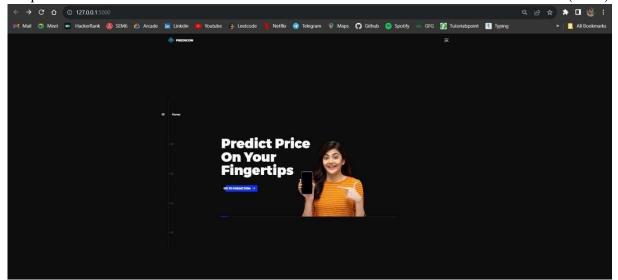
Step: 3 Create the app.py file to serve the deployment

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```
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=trans
mission type, year=year, fuel type=fuel type,km driven=km driven)
if name ==" main ":
app.run(debug=True)
```

Output:

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Car Price Prediction





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