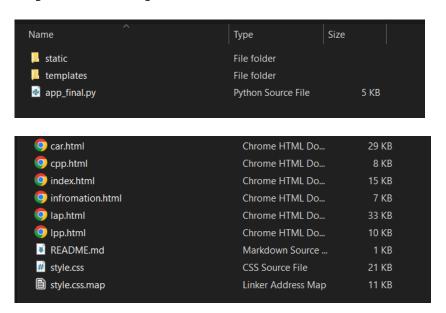
Practical-5 Deployment of ML project using Flask.

Task 1: Install the required libraries

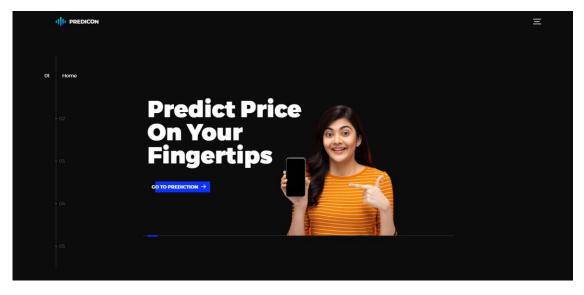
pip install Flask

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:



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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
L UI	28-06-2023 02:38 PM	File folder

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

```
p: Capstone Project-1 > UI > New UI > pap_final.py > ...

You, 5 months ago | 1 author (You)

1 from flask import Flask , render_template, request, url_for
2 from flask_cors import CORS, cross_origin
3 import pandas as pd
4 import numpy as np
5 import pickle
6
7 app = Flask(_name__)
8 cors=CORS(app)
9 modell=pickle.load(open('D:\Capstone Project-1\Car Price Prediction\LinearRegressionModel.pkl', 'rb'))
10 pipe = pickle.load(open('D:\Capstone Project-1\Laptop_Price_Prediction\pipe.pkl', 'rb'))
11 # df = pickle.load(open('df.pkl', 'rb'))
12 # modell='tinearRegressionModel.pkl'
13 car=pd.read_csv("D:\Capstone Project-1\Car Price Prediction\cardekho_updated.csv")
14 # df=pd.read_csv("D:\Capstone Project-1\Laptop_Price_Prediction\laptop_data_final.csv")
15 df=pd.read_csv("D:\Capstone Project-1\Laptop_Price_Prediction\laptop_odta_final.csv")
16
17 You, 7 months ago * temp_harshil
18 #Main Page
19 @app.route('/')
20 def index():
21 | return render_template('index.html')
```

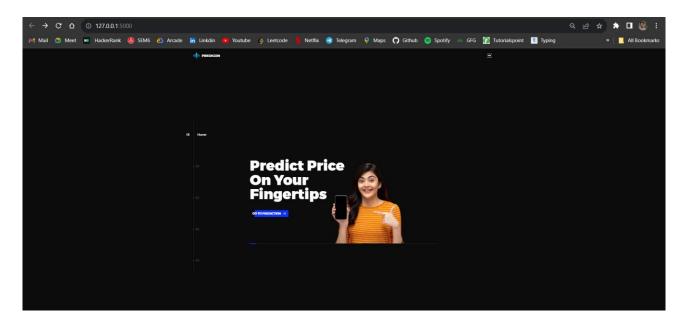
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Code: app.py

```
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)
```

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Output:



Car Price Prediction



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Ford