Car Resales Price Prediction

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Team ID	PNT2022TMID42617
Project Name	Car Resale Value Prediction

Splitting Data into Independent and Dependent Variables

```
import pandas as pd

import numpy as np

import matplotlib as plt

from sklearn.preprocessing import LabelEncoder

import pickle

df=pd.read_csv(r"C:\Users\SRI HARI\Downloads\Car database\Car Database.csv",
header=0,sep=',',encoding='Latin1',)

df.replace({'Fuel_Type' : {'Petrol':0,'Diesel':1,'CNG':2}},inplace=True)

df.replace({'Seller_Type' : {'Dealer':0,'Individual':1}},inplace=True)

df.replace({'Transmission' : {'Manual':0,'Automatic':1}},inplace=True)


X = df.drop(['Car_Name','Selling_Price'],axis= 1)

Y = df['Selling_Price']

print(X)
```

OUTPUT

```
      year  km_driven Fuel_Type Seller_Type  Transmission                owner
0     2014     145500         1           1             0          First Owner
1     2014     120000         1           1             0         Second Owner
2     2006     140000         0           1             0          Third Owner
3     2010     127000         1           1             0          First Owner
4     2007     120000         0           1             0          First Owner
...    ...        ...       ...         ...           ...                  ...
8123  2013     110000         0           1             0          First Owner
8124  2007     119000         1           1             0  Fourth & Above Owner
8125  2009     120000         1           1             0          First Owner
8126  2013      25000         1           1             0          First Owner
8127  2013      25000         1           1             0          First Owner

[8128 rows x 6 columns]
```