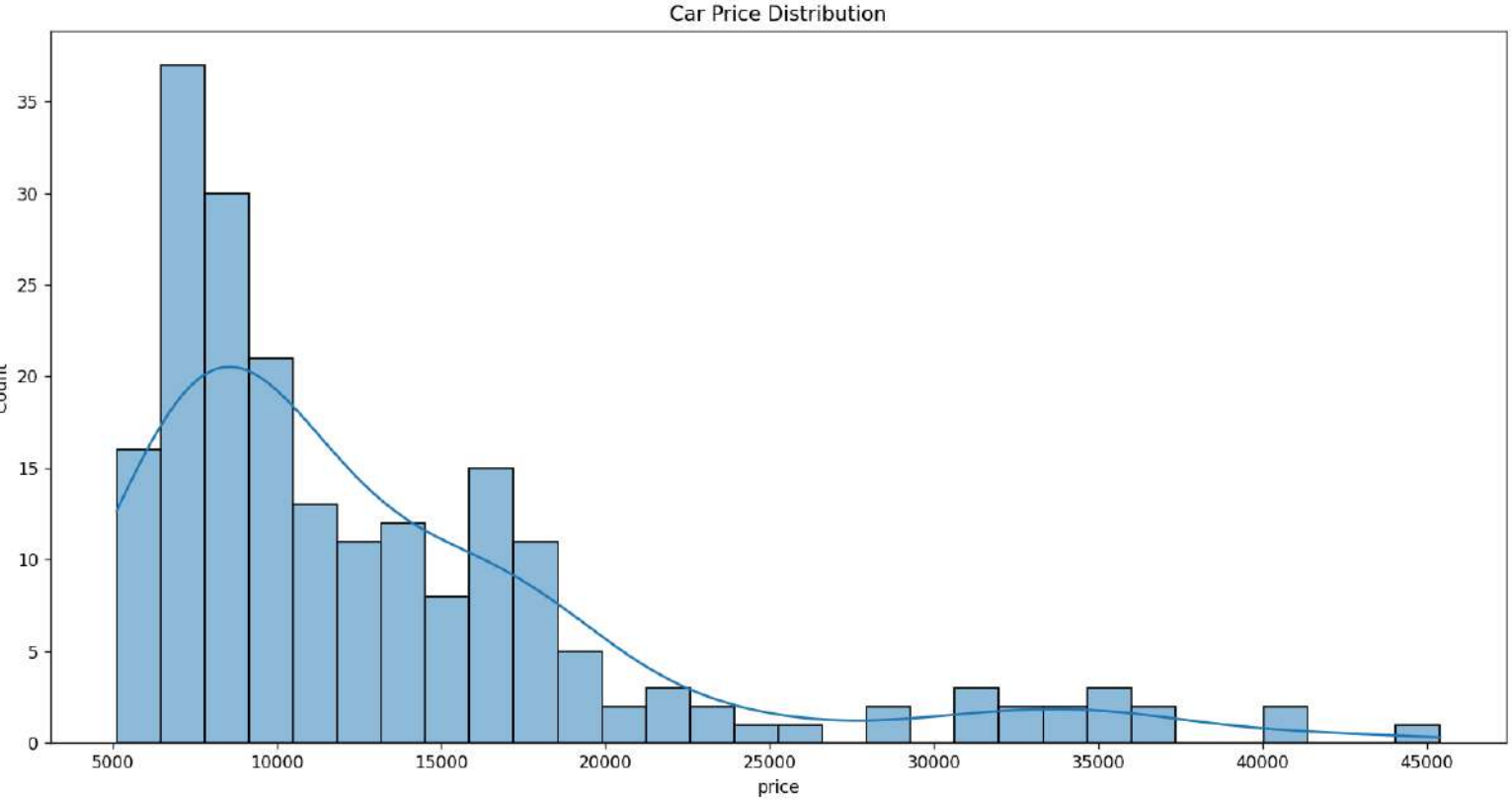
Car Price Prediction.py > ...

```
168
169  # Deploy the model of Car Price Prediction
170
171  import streamlit as st
172  import pandas as pd
173  import pickle
174  import numpy as np
175  import matplotlib.pyplot as plt
176  import seaborn as sns
177  from sklearn.linear_model import LinearRegression
178  from sklearn.preprocessing import MinMaxScaler
179  from sklearn.model_selection import train_test_split
180
181  # Convert categorical columns to dummy variables
182  df = pd.get_dummies(df, drop_first=True)  # Drop first to avoid dummy variable trap
183
```

PROBLEMS 15 OUTPUT DEBUG CONSOLE TERMINAL PORTS

powershell
Python Debu...
Python Debu...

```
                            OLS Regression Results
==============================================================================
Dep. Variable:                  price   R-squared (uncentered):                   0.842
Model:                            OLS   Adj. R-squared (uncentered):              0.832
Method:                 Least Squares   F-statistic:                              82.09
Date:                Wed, 26 Feb 2025   Prob (F-statistic):                    1.64e-56
Time:                        16:08:31   Log-Likelihood:                         -1661.8
No. Observations:                 164   AIC:                                      3344.
Df Residuals:                     154   BIC:                                      3375.
Df Model:                          10
Covariance Type:            nonrobust
============================================================================================
                               coef    std err          t      P>|t|      [0.025      0.975]
--------------------------------------------------------------------------------------------
carbody_hatchback         6282.1172   1195.344      5.255      0.000    3920.730    8643.505
carbody_sedan             6709.4432   1182.427      5.674      0.000    4373.572    9045.314
cylindernumber_four       3822.3409   1018.977      3.751      0.000    1809.365    5835.317
companyname_bmw           1.483e+04   2737.947      5.416      0.000    9420.161    2.02e+04
companyname_buick         3.321e+04   3195.508     10.391      0.000    2.69e+04    3.95e+04
companyname_jaguar        2.789e+04   3814.069      7.313      0.000    2.04e+04    3.54e+04
```


Car Price Distribution
Count
price
0
5
10
15
20
25
30
35
5000
10000
15000
20000
25000
30000
35000
40000
45000

Enter Car Details

Enter car_ID:

1.00 − +

Enter symboling:

-2.00 − +

Enter wheelbase:

86.60 − +

Enter carlength:

141.10 − +

Enter carwidth:

60.30 − +

Enter carheight:

47.80 − +

Enter curbweight:

1488.00 − +

	Features	VIF
0	carbody_hatchback	0.04
1	carbody_sedan	0.04
2	cylindernumber_four	0.03
3	companyname_bmw	0.19
4	companyname_buick	0.26
5	companyname_jaguar	0.37
6	companyname_porcshce	1
7	companyname_porsche	0.26
8	companyname_saab	0.21
9	companyname_volvo	0.14

Car Price Prediction 🚙 💰