```
import numpy as np
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.neighbors import KNeighborsClassifier
from sklearn.metrics import accuracy_score
from matplotlib import pyplot as plt

data_true =
pd.read_csv("/content/drive/MyDrive/car_prices_dataset.csv")
df=data_true

# Verify column names in the DataFrame
print(df.columns)

# Adjust column names in your code to match those in the DataFrame
x = df[['Age (years)', 'Mileage (miles)']]  # Assuming corrected
column names
y = df['Price (dollars)']  # Assuming corrected column name
```

```
Index(['Age (years)', 'Mileage (miles)', 'Price (dollars)'],
dtype='object')
```

```
k = 3
knn = KNeighborsClassifier(n_neighbors=k)
knn.fit(x,y)
```

```
KNeighborsClassifier(n_neighbors=3)
```

```
price = 15000

if price > 20000:
    category = "Luxury"
elif price > 10000:
    category = "Mid-range"
else:
    category = "Budget"

print(f"The car is in the {category} category.")
```

```
The car is in the Mid-range category.
```