

EXPERIMENT – 13

OUTPUT:

The screenshot shows the Microsoft Visual Studio Code interface. On the left is the file tree, showing a file named '13.py'. The main editor area contains the following Python code:

```
D: > College > Machine Learning > Experiments > Code Files > 13.py > ...
1 from sklearn.linear_model import LinearRegression
2 import pandas as pd
3 data = {'Year': [2015, 2016, 2017, 2018], 'Mileage': [30000, 25000, 20000, 15000]
4 df = pd.DataFrame(data)
5 X = df[['Year', 'Mileage']]
6 y = df['Price']
7 model = LinearRegression()
8 model.fit(X, y)
9 year = int(input("Enter Year: "))
10 mileage = int(input("Enter Mileage: "))
11 print("Predicted Price:", model.predict([[year, mileage]]))
```

Below the editor, the terminal tab is active, showing the execution of the script and its output:

```
● PS D:\College\Machine Learning\Experiments\Code Files> & 'c:\Users\HARSHINI RN\AppData\Local\Microsoft\WindowsApps\python3.13.exe' 'c:\Users\HARSHINI RN\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '60092' '--' 'd:\College\Machine Learning\Experiments\Code Files\13.py'
Enter Year: 2019
Enter Mileage: 10000
C:\Users\HARSHINI RN\AppData\Local\ Packages\PythonSoftwareFoundation.Python.3.13_qbz5n2kfra8p0\LocalCache\local-packages\Python313\site-packages\sklearn\utils\validation.py:2691: UserWarning: X does not have valid feature names, but LinearRegression was fitted with feature names
  warnings.warn(
Predicted Price: 27999.99999999996
○ PS D:\College\Machine Learning\Experiments\Code Files>
```