

EXPERIMENT – 14

## **OUTPUT:**

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The left sidebar contains icons for file operations like Open, Save, Find, and Settings. The main area displays a Python script named '14.py' with the following code:

```
1  from sklearn.linear_model import LinearRegression
2  import pandas as pd
3  data = {'Size': [1500,2000,1200,1800], 'Rooms': [3,4,2,3], 'Price': [30000]
4  df = pd.DataFrame(data)
5  X = df[['Size','Rooms']]
6  y = df['Price']
7  model = LinearRegression()
8  model.fit(X, y)
9  size = int(input("Enter Size: "))
10 rooms = int(input("Enter Rooms: "))
11 print("Predicted Price:", model.predict([[size, rooms]])[0])
```

Below the code editor is a navigation bar with tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and others. The TERMINAL tab is active, showing the following terminal output:

```
PS D:\College\Machine Learning\Experiments\Code Files> ^C
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' '62463' '--' 'd:\College\Machine Learning\E
Enter Size: 1600
Enter Rooms: 3
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: 321052.63157894736
PS D:\College\Machine Learning\Experiments\Code Files>
```