

EXP 14

```
from sklearn.linear_model import LinearRegression  
import numpy as np  
  
X = np.array([[600],[1000],[1500],[2000]])  
  
y = np.array([2500000,4000000,6000000,8000000])  
  
model = LinearRegression()  
  
model.fit(X,y)  
  
size = int(input("Enter House Size (sqft): "))  
  
price = model.predict([[size]])  
  
print("Predicted House Price =", int(price[0]))
```



The screenshot shows the Python IDLE Shell 3.13.7 interface. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The title bar says "IDLE Shell 3.13.7". The main window displays the following text:

```
File Edit Shell Debug Options Window Help  
Python 3.13.7 (tags/v3.13.7:bbce1c3, Aug 14 2025, 14:15:11) [MSC v.1944 64 bit (AMD64)] on win32  
Enter "help" below or click "Help" above for more information.  
>>> # RESTART: C:\Users\spark\OneDrive\Pictures\Documents\Desktop\ITA-0612\EXP-14.py  
>>> Enter House Size (sqft): 18000  
>>> Predicted House Price = 71005643  
>>> |
```

The status bar at the bottom right indicates "Ln: 7 Col: 0".