

EXP:8

```
from sklearn.linear_model import LinearRegression
```

```
import numpy as np
```

```
X = np.array([[1],[2],[3],[4],[5]])
```

```
y = np.array([2,4,6,8,10])
```

```
model = LinearRegression()
```

```
model.fit(X, y)
```

```
print("Prediction for 6:", model.predict([[6]]))
```



The screenshot shows an IDE Shell window titled "IDLE Shell 3.13.7". The window contains the following text:

```
Python 3.13.7 (tags/v3.13.7:bceelc3, 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-8.py
Prediction for 6: [12.]
>>>
```

The status bar at the bottom right indicates "Ln: 6 Col: 0".