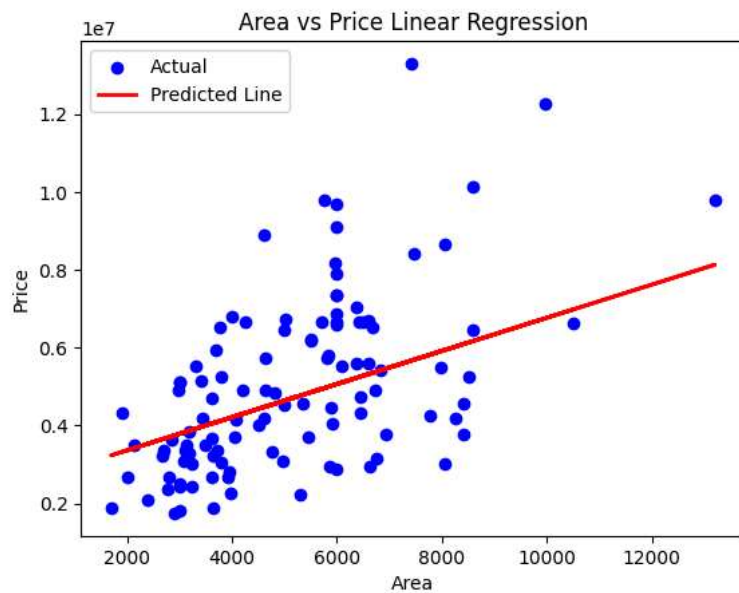


```
17 plt.show()
18
```



```
1 X_area = df[['bedrooms']]
2 y_price = df['price']
3
4 X_train_area, X_test_area, y_train_price, y_test_price = train_test_split(X_area, y_price, test_size=0.2, random_state=42)
5
6 model_area = LinearRegression()
7 model_area.fit(X_train_area, y_train_price)
8
9 y_pred_area = model_area.predict(X_test_area)
10
11 # Plotting
12 plt.scatter(X_test_area, y_test_price, color='blue', label='Actual')
13 plt.plot(X_test_area, y_pred_area, color='red', linewidth=2, label='Predicted Line')
14 plt.xlabel('Bedrooms')
15 plt.ylabel('Price')
16 plt.title('Bedrooms vs Price Linear Regression')
17 plt.legend()
18 plt.show()
19
```

