```
In [76]:
    Results= pd.DataFrame(columns=['price', 'predicted'])
    Results['price']=y_test
    Results['predicted']=ypred
    Results=Results.reset_index()
    Results['Id']=Results.index
    Results.head(15)
```

## Out[76]:

	index	price	predicted	ld
0	481	7900	5867.650338	0
1	76	7900	7133.701423	1
2	1502	9400	9866.357762	2
3	669	8500	9723.288745	3
4	1409	9700	10039.591012	4
5	1414	9900	9654.075826	5
6	1089	9900	9673.145630	6
7	1507	9950	10118.707281	7
8	970	10700	9903.859527	8
9	1198	8999	9351.558284	9
10	1088	9890	10434.349636	10
11	576	7990	7732.262557	11
12	965	7380	7698.672401	12
13	1488	6800	6565.952404	13
14	1432	8900	9662.901035	14

## In [77]: #ridge regressor

In a Jupyter environment, please rerun this cell to show the HTML representation or trust the notebook. On GitHub, the HTML representation is unable to render, please try loading this page with nbviewer.org.

```
In [79]: ridge_regressor.best_params_
Out[79]: {'alpha': 30}
In [80]: ridge=Ridge(alpha=30)
    ridge.fit(x_train,y_train)
    y_pred_ridge=ridge.predict(x_test)

In [81]: Ridge_Error=mean_squared_error(y_pred_ridge,y_test)
    Ridge_Error
Out[81]: 579521.7970897449

In [82]: from sklearn.metrics import r2_score
    r2_score(y_test,y_pred_ridge)
Out[82]: 0.8421969385523054
```

localhost:8889/notebooks/hemanth19.ipynb

```
In [83]: Results= pd.DataFrame(columns=['Price','Predicted'])
    Results['Price']=y_test
    Results['Predicted']=y_pred_ridge
    Results=Results.reset_index()
    Results['Id']=Results.index
    Results.head(10)
```

## Out[83]:

	index	Price	Predicted	ld
0	481	7900	5869.741155	0
1	76	7900	7149.563327	1
2	1502	9400	9862.785355	2
3	669	8500	9719.283532	3
4	1409	9700	10035.895686	4
5	1414	9900	9650.311090	5
6	1089	9900	9669.183317	6
7	1507	9950	10115.128380	7
8	970	10700	9900.241944	8
9	1198	8999	9347.080772	9

```
In [84]: import seaborn as sns
import matplotlib.pyplot as plt

sns.lineplot(x='Id',y='Price',data=Results.head(50))
sns.lineplot(x='Id',y='Predicted',data=Results.head(50))
plt.plot()
```

## Out[84]: []

