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In [23]: import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
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In [24]: data = pd.read_csv('House Price India.csv')
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In [25]: data.info()
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```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 14620 entries, 0 to 14619
Data columns (total 23 columns):
#   Column                                     Non-Null Count  Dtype
---  -
0   id                                         14620 non-null  int64
1   Date                                       14620 non-null  int64
2   number of bedrooms                       14620 non-null  int64
3   number of bathrooms                     14620 non-null  float64
4   living area                             14620 non-null  int64
5   lot area                                 14620 non-null  int64
6   number of floors                         14620 non-null  float64
7   waterfront present                      14620 non-null  int64
8   number of views                         14620 non-null  int64
9   condition of the house                  14620 non-null  int64
10  grade of the house                      14620 non-null  int64
11  Area of the house(excluding basement)    14620 non-null  int64
12  Area of the basement                    14620 non-null  int64
13  Built Year                              14620 non-null  int64
14  Renovation Year                         14620 non-null  int64
15  Postal Code                             14620 non-null  int64
16  Lattitude                               14620 non-null  float64
17  Longitude                               14620 non-null  float64
18  living_area_renov                       14620 non-null  int64
19  lot_area_renov                          14620 non-null  int64
20  Number of schools nearby                 14620 non-null  int64
21  Distance from the airport               14620 non-null  int64
22  Price                                   14620 non-null  int64
dtypes: float64(4), int64(19)
memory usage: 2.6 MB
```

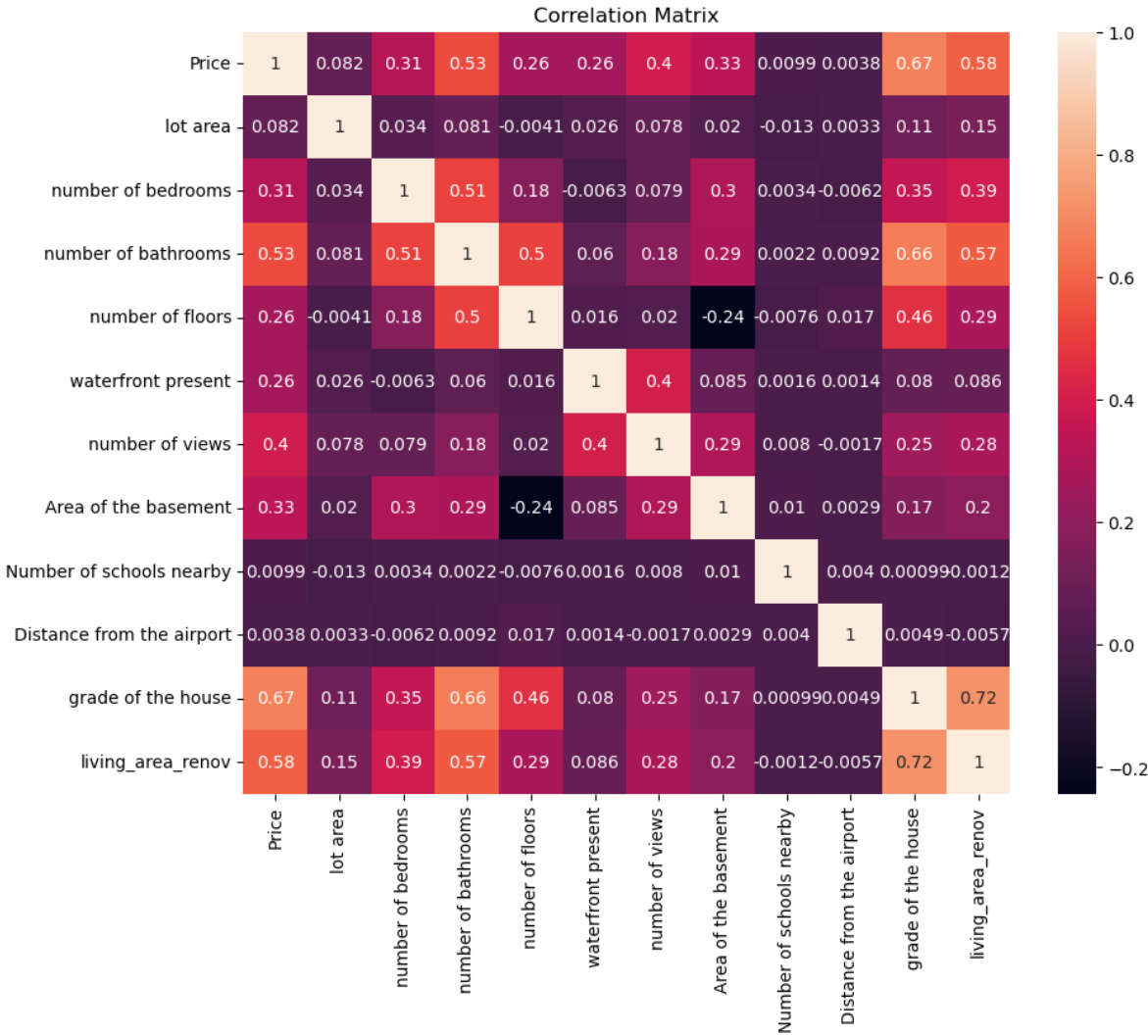
```
In [26]: variables = ['Price', 'lot area', 'number of bedrooms', 'number of bathrooms', 'nu
```

```
In [27]: sns.pairplot(data[variables])
plt.show()
```



```
In [28]: correlation_matrix = data[variables].corr()
```

```
In [30]: plt.figure(figsize=(10,8))
sns.heatmap(correlation_matrix, annot=True)
plt.title('Correlation Matrix')
plt.show()
```



```
In [ ]:
```