In [1]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

In [2]:
```
df= pd.read_csv('miss.csv')
df
```

Out[2]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	NaN	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	NaN	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	NaN	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	NaN	550

13320 rows × 9 columns

In [3]:
```
df.head()
```

Out[3]:

	area_type	availability	location	size	society	total_sqft	bat
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056	2.
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600	5.
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	NaN	1440	2.
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521	3.
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	NaN	1200	2.

In [4]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 13320 entries, 0 to 13319
Data columns (total 9 columns):
 #   Column        Non-Null Count  Dtype  
---  ------        --------------  -----  
 0   area_type     13320 non-null  object 
 1   availability  13320 non-null  object 
 2   location      13319 non-null  object 
 3   size          13304 non-null  object 
 4   society       7818 non-null   object 
 5   total_sqft    13320 non-null  object 
 6   bath          13247 non-null  float64
 7   balcony       12711 non-null  float64
 8   price         13320 non-null  float64
dtypes: float64(3), object(6)
memory usage: 936.7+ KB
```

In [5]:
```
df.describe()
```

Out[5]:

	bath	balcony	price
count	13247.000000	12711.000000	13320.000000
mean	2.692610	1.584376	112.565627
std	1.341458	0.817263	148.971674
min	1.000000	0.000000	8.000000
25%	2.000000	1.000000	50.000000
50%	2.000000	2.000000	72.000000
75%	3.000000	2.000000	120.000000
max	40.000000	3.000000	3600.000000

In [6]:
```
df.describe
```

Out[6]:
```
<bound method NDFrame.describe of                 area_type   availabilit
y                  location  \
0      Super built-up  Area         19-Dec  Electronic City Phase II
1                Plot  Area  Ready To Move          Chikka Tirupathi
2             Built-up  Area  Ready To Move               Uttarahalli
3      Super built-up  Area  Ready To Move        Lingadheeranahalli
4      Super built-up  Area  Ready To Move                  Kothanur
...                      ...           ...                       ...
13315         Built-up  Area  Ready To Move                Whitefield
13316  Super built-up  Area  Ready To Move              Richards Town
13317         Built-up  Area  Ready To Move     Raja Rajeshwari Nagar
13318  Super built-up  Area         18-Jun           Padmanabhanagar
13319  Super built-up  Area  Ready To Move              Doddathoguru

             size  society total_sqft  bath  balcony   price
0          2 BHK  Coomee        1056   2.0      1.0   39.07
1      4 Bedroom  Theanmp       2600   5.0      3.0  120.00
2          3 BHK      NaN       1440   2.0      3.0   62.00
3          3 BHK  Soiewre       1521   3.0      1.0   95.00
4          2 BHK      NaN       1200   2.0      1.0   51.00
...          ...      ...        ...   ...      ...     ...
13315  5 Bedroom  ArsiaEx       3453   4.0      0.0  231.00
13316      4 BHK      NaN       3600   5.0      NaN  400.00
13317      2 BHK  Mahla T       1141   2.0      1.0   60.00
13318      4 BHK  SollyCl       4689   4.0      1.0  488.00
13319      1 BHK      NaN        550   1.0      1.0   17.00

[13320 rows x 9 columns]>
```

In [7]:
```
df.isnull().sum()   # missing value check
```

Out[7]:
```
area_type          0
availability       0
location           1
size              16
society         5502
total_sqft         0
bath              73
balcony          609
price              0
dtype: int64
```

In [60]:
```
df.isnull().mean()*100    # data missing value chceck using mean approach
```

Out[60]:
```
area_type        0.000000
availability     0.000000
location         0.007508
size             0.120120
society         41.306306
total_sqft       0.000000
bath             0.548048
balcony          4.572072
price            0.000000
dtype: float64
```

using this we can get those columns whose values are missing

In [61]:
```
cols= [var for var in df.columns if df[var].isnull().mean()< 0.05 and df[var
cols
```

Out[61]:
```
['location', 'size', 'bath', 'balcony']
```

In [14]:
```
df.count
```

Out[14]:
```
<bound method DataFrame.count of                   area_type   availability
location  \
0      Super built-up  Area         19-Dec  Electronic City Phase II
1                Plot  Area  Ready To Move          Chikka Tirupathi
2             Built-up  Area  Ready To Move               Uttarahalli
3      Super built-up  Area  Ready To Move        Lingadheeranahalli
4      Super built-up  Area  Ready To Move                  Kothanur
...                      ...           ...                       ...
13315         Built-up  Area  Ready To Move               Whitefield
13316  Super built-up  Area  Ready To Move             Richards Town
13317         Built-up  Area  Ready To Move     Raja Rajeshwari Nagar
13318  Super built-up  Area         18-Jun           Padmanabhanagar
13319  Super built-up  Area  Ready To Move              Doddathoguru

             size  society total_sqft  bath  balcony   price
0          2 BHK  Coomee        1056   2.0      1.0   39.07
1      4 Bedroom  Theanmp       2600   5.0      3.0  120.00
2          3 BHK      NaN       1440   2.0      3.0   62.00
3          3 BHK  Soiewre       1521   3.0      1.0   95.00
4          2 BHK      NaN       1200   2.0      1.0   51.00
...          ...      ...        ...   ...      ...     ...
13315  5 Bedroom  ArsiaEx       3453   4.0      0.0  231.00
13316      4 BHK      NaN       3600   5.0      NaN  400.00
13317      2 BHK  Mahla T       1141   2.0      1.0   60.00
13318      4 BHK  SollyCl       4689   4.0      1.0  488.00
13319      1 BHK      NaN        550   1.0      1.0   17.00

[13320 rows x 9 columns]>
```

In [15]:
```
df.columns
```

Out[15]:
```
Index(['area_type', 'availability', 'location', 'size', 'society',
       'total_sqft', 'bath', 'balcony', 'price'],
      dtype='object')
```

In [17]:
```
df.shape
```

Out[17]:
```
(13320, 9)
```

In [20]:
```
df.dtypes
```

Out[20]:
```
area_type        object
availability     object
location         object
size             object
society          object
total_sqft       object
bath            float64
balcony         float64
price           float64
dtype: object
```

In [21]:
```
df.notnull().sum()
```

Out[21]:
```
area_type       13320
availability    13320
location        13319
size            13304
society          7818
total_sqft      13320
bath            13247
balcony         12711
price           13320
dtype: int64
```

In [22]:
```
df.value_counts()
```

Out[22]:
```
area_type             availability   location              size   society
total_sqft  bath  balcony  price
Super built-up  Area  Ready To Move  Haralur Road          2 BHK  RInceeg
1243        2.0   2.0      46.00     10
                                     HSR Layout            2 BHK  NRosete
1140        2.0   2.0      46.00      9
                                     Parappana Agrahara    2 BHK  Peide L
1194        2.0   2.0      47.00      7
                         21-Dec      Kanakpura Road        3 BHK  PrarePa
1100        3.0   2.0      53.00      5
                         18-Sep      Chandapura            1 BHK  SunceEs
645         1.0   1.0      16.45      5

..
                         Ready To Move  Yeshwanthpur          3 BHK  IBityin
2559        3.0   2.0      141.00     1
                                                                  RNvasth
1852        3.0   2.0      160.00     1

1856        4.0   2.0      180.00     1
                                                                  Saade E
1523        3.0   3.0      170.00     1
Built-up  Area        15-Jun         Outer Ring Road East  3 BHK  SRzonhu
1500        2.0   0.0      97.00      1
Name: count, Length: 7144, dtype: int64
```

check the duplicate value

In [32]:
```
df.duplicated().sum()
```

Out[32]:
```
np.int64(529)
```

Null value checking and working on it

In [34]:
```
df.isnull()
```

Out[34]:

	area_type	availability	location	size	society	total_sqft	bath	balco
0	False	False	False	False	False	False	False	Fal
1	False	False	False	False	False	False	False	Fal
2	False	False	False	False	True	False	False	Fal
3	False	False	False	False	False	False	False	Fal
4	False	False	False	False	True	False	False	Fal
...	...	...	...	...	...	...	...	
13315	False	False	False	False	False	False	False	Fal
13316	False	False	False	False	True	False	False	Tr
13317	False	False	False	False	False	False	False	Fal
13318	False	False	False	False	False	False	False	Fal
13319	False	False	False	False	True	False	False	Fal

13320 rows × 9 columns

In [35]:
```
df.isnull().sum().sum()   # total null values in this dataset
```

Out[35]:
```
np.int64(6201)
```

filling the null values

In [36]:
```
df2= df.fillna(value=0)
df2
```

Out[36]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	0	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	0	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	0	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	0	550

13320 rows × 9 columns

In [37]:
```
df2.isnull().sum().sum()
```

Out[37]:
```
np.int64(0)
```

filling null values with the previous value

In [42]:
```
df4= df.ffill()                    #df.fillna(method= 'pad')
df4
```

Out[42]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	Theanmp	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	Soiewre	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	ArsiaEx	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	SollyCl	550

13320 rows × 9 columns

null values fill with their next value

In [45]:
```
df5= df.bfill()
df5                                          # df.fillna(method= 'bfill')
```

Out[45]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	Soiewre	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	DuenaTa	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	Mahla T	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	NaN	550

13320 rows × 9 columns

In [46]:
```
df6=df.fillna(method= 'bfill', axis=1) # column wise fill the null values
df6
```

```
C:\Users\shaw3\AppData\Local\Temp\ipykernel_15284\1753658330.py:1: FutureWar
ning: DataFrame.fillna with 'method' is deprecated and will raise in a futur
e version. Use obj.ffill() or obj.bfill() instead.
  df6=df.fillna(method= 'bfill', axis=1)
```

Out[46]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	1440	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	1200	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	3600	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	550	550

13320 rows × 9 columns

filling different values in null in different columns

In [47]:
```
df7= df.fillna({'society': 'abcd',
                'balcony': 'efgh'})
df7
```

Out[47]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	abcd	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	abcd	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	abcd	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	abcd	550

13320 rows × 9 columns

filling null values with the mean of column

In [49]:
```
df8= df.fillna(value= df['balcony'].mean())
df8
```

Out[49]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	1.584376	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	1.584376	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	1.584376	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	1.584376	550

13320 rows × 9 columns

In [50]:
```
df9= df.fillna(value= df['balcony'].max()) # with max value
df9
```

Out[50]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	3.0	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	3.0	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	3.0	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	3.0	550

13320 rows × 9 columns

In [51]:
```
df10= df.fillna(value= df['balcony'].min()) # with thier min  value
df10
```

Out[51]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	0.0	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	0.0	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	0.0	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	0.0	550

13320 rows × 9 columns

dropna working

In [52]:
```
df11= df.dropna()
df11
```

Out[52]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
5	Super built-up Area	Ready To Move	Whitefield	2 BHK	DuenaTa	1170
11	Plot Area	Ready To Move	Whitefield	4 Bedroom	Prrry M	2785
...	...	...	...	...	...	...
13313	Super built-up Area	Ready To Move	Uttarahalli	3 BHK	Aklia R	1345
13314	Super built-up Area	Ready To Move	Green Glen Layout	3 BHK	SoosePr	1715
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689

7496 rows × 9 columns

In [53]:
```
df12= df.dropna(how= 'any')   # if any null values are present in one columr
df12
```

Out[53]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
5	Super built-up Area	Ready To Move	Whitefield	2 BHK	DuenaTa	1170
11	Plot Area	Ready To Move	Whitefield	4 Bedroom	Prrry M	2785
...	...	...	...	...	...	...
13313	Super built-up Area	Ready To Move	Uttarahalli	3 BHK	Aklia R	1345
13314	Super built-up Area	Ready To Move	Green Glen Layout	3 BHK	SoosePr	1715
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689

7496 rows × 9 columns

In [54]:
```
df13= df.dropna(how= 'all')  # if all null values present in one column/row,
df13
```

Out[54]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	NaN	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	NaN	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	NaN	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	NaN	550

13320 rows × 9 columns

replace function

In [56]:
```
df14= df.replace(to_replace=np.nan, value= 567789)
df14
```

Out[56]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	567789	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	567789	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	567789	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	567789	550

13320 rows × 9 columns

In [58]:
```
df14= df.replace(to_replace=5.0, value= 8.9)
df14
```

Out[58]:

	area_type	availability	location	size	society	total_sqft
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	NaN	1440
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	NaN	1200
...	...	...	...	...	...	...
13315	Built-up Area	Ready To Move	Whitefield	5 Bedroom	ArsiaEx	3453
13316	Super built-up Area	Ready To Move	Richards Town	4 BHK	NaN	3600
13317	Built-up Area	Ready To Move	Raja Rajeshwari Nagar	2 BHK	Mahla T	1141
13318	Super built-up Area	18-Jun	Padmanabhanagar	4 BHK	SollyCl	4689
13319	Super built-up Area	Ready To Move	Doddathoguru	1 BHK	NaN	550

13320 rows × 9 columns

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: