In [1]:
```
import numpy as np
import pandas as pd
import seaborn as sns
from matplotlib import pyplot as plt
%matplotlib inline
```

In [24]:
```
data=pd.read_csv(r'C:\Users\mujjj\Downloads\5. London Housing Data.csv')
```

In [25]:
```
data
```

Out[25]:

	date	area	average_price	code	houses_sold	no_of_crimes
0	1/1/1995	city of london	91449	E09000001	17.0	NaN
1	2/1/1995	city of london	82203	E09000001	7.0	NaN
2	3/1/1995	city of london	79121	E09000001	14.0	NaN
3	4/1/1995	city of london	77101	E09000001	7.0	NaN
4	5/1/1995	city of london	84409	E09000001	10.0	NaN
...	...	...	...	...	...	...
13544	9/1/2019	england	249942	E92000001	64605.0	NaN
13545	10/1/2019	england	249376	E92000001	68677.0	NaN
13546	11/1/2019	england	248515	E92000001	67814.0	NaN
13547	12/1/2019	england	250410	E92000001	NaN	NaN
13548	1/1/2020	england	247355	E92000001	NaN	NaN

13549 rows × 6 columns

In [26]:
```
data.shape
```

Out[26]:
```
(13549, 6)
```

In [27]:
```
data.columns
```

Out[27]:
```
Index(['date', 'area', 'average_price', 'code', 'houses_sold', 'no_of_crimes'], dtype='object')
```

In [29]:
```
data.describe()
```

Out[29]:

	average_price	houses_sold	no_of_crimes
count	1.354900e+04	13455.000000	7439.000000
mean	2.635197e+05	3893.994129	2158.352063
std	1.876175e+05	12114.402476	902.087742
min	4.072200e+04	2.000000	0.000000
25%	1.323800e+05	247.000000	1623.000000
50%	2.229190e+05	371.000000	2132.000000
75%	3.368430e+05	3146.000000	2582.000000
max	1.463378e+06	132163.000000	7461.000000

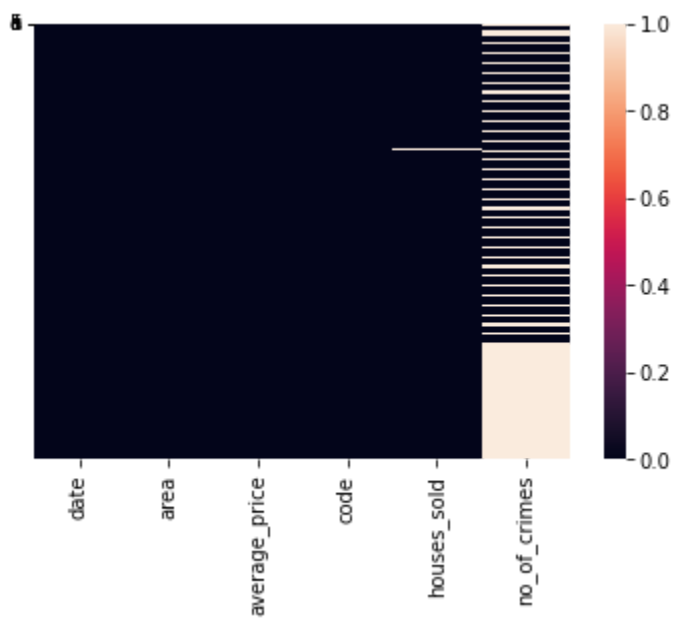
In [30]:
```
data.count()
```

Out[30]:
```
date             13549
area             13549
average_price    13549
code             13549
houses_sold      13455
no_of_crimes      7439
dtype: int64
```

In [35]:
```
data.isnull().sum()
```

Out[35]:
```
date                0
area                0
average_price       0
code                0
houses_sold        94
no_of_crimes     6110
dtype: int64
```

In [42]:
```
sns.heatmap(data.isnull(),yticklabels='False',cbar=True)
plt.show()
```



In [43]:
```
data.dtypes
```

Out[43]:
```
date              object
area              object
average_price      int64
code              object
houses_sold      float64
no_of_crimes     float64
dtype: object
```

Convert the datatype of 'Date' into Date_Time formet

In [44]:
```
data.head()
```

Out[44]:

	date	area	average_price	code	houses_sold	no_of_crimes
0	1/1/1995	city of london	91449	E09000001	17.0	NaN
1	2/1/1995	city of london	82203	E09000001	7.0	NaN
2	3/1/1995	city of london	79121	E09000001	14.0	NaN
3	4/1/1995	city of london	77101	E09000001	7.0	NaN
4	5/1/1995	city of london	84409	E09000001	10.0	NaN

In [ ]:
```

```