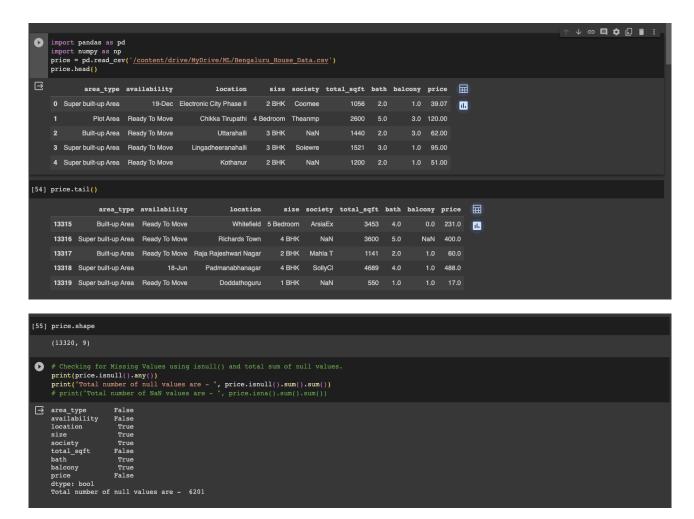
Assignment 4

U21CS089 | Garvit Shah

Checking for Missing Values using isnull() and total sum of null values.



• Filling Null Values Using fillna()

```
Using constant value to replace Null inplace in the dataframe using fillna() function

### Filling Null Values Using fillna()
price('location'].fillna('No Location', inplace = True)
price('size'].fillna('No Society', inplace = True)
price('society'].fillna('No Society', inplace = True)
price('bath').fillna(2.0, inplace = True)

# price('society').yalue_counts()

# price('society').value_counts()

#
```

• Filling Null Values Using fillna(method = 'pad')

• Filling Null Values Using fillna(method = 'bfill')

• Filling Null Values with the Mean, Max or Min of a Column

```
Filling mean, max, min values in place of Null of a column balcony

| balcony_mean = price['balcony'].fillna(price['balcony'].mean())
| balcony_max = price['balcony'].fillna(price['balcony'].max())
| balcony_min = price['balcony'].fillna(price['balcony'].min())
| print(balcony_mean.isnull().any())
| print("Total number of null values are - ", balcony_mean.isnull().sum().sum())
| print("Total number of null values are - ", balcony_max.isnull().sum().sum())
| print("Total number of null values are - ", balcony_min.isnull().sum())
| False
| Total number of null values are - 0
| False
| Total number of null values are - 0
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| Total number of null values are - 0
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| False | Total number of null values are - 0
```

• Dropping Null Values Using dropna()

```
Dropping Null Values Using dropna()

print(price.isnull().any())
print(price.shape)

Palse
availability False
society True
total sqtc False
dryper bool
Total number of null values are - 6201
(1320, 9)

(84) price_cleaned = price.dropna()

(85) print(price_cleaned.isnull().any())
pr
```

• Filling Null Values Using replace()

```
| Continue | Continue
```

• Filling Null Values Using interpolate()