```
In [1]: import pandas as pd
```

```
In [2]: data = pd.read_csv("airbnb.csv")
```

```
C:\Users\Devaprasanth\AppData\Local\Temp\ipykernel_13564\3570069381.py:1: DtypeWarni
ng: Columns (25) have mixed types. Specify dtype option on import or set low_memory=
False.
  data = pd.read_csv("airbnb.csv")
```

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

Out[3]:

	id	NAME	host id	host_identity_verified	host name	neighbourhood group
0	1001254	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn
1	1002102	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan
2	1002403	THE VILLAGE OF HARLEM….NEW YORK !	78829239556	NaN	Elise	Manhattan
3	1002755	NaN	85098326012	unconfirmed	Garry	Brooklyn
4	1003689	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan

5 rows × 26 columns

```
In [4]: data.columns
```

```
Out[4]: Index(['id', 'NAME', 'host id', 'host_identity_verified', 'host name',
               'neighbourhood group', 'neighbourhood', 'lat', 'long', 'country',
               'country code', 'instant_bookable', 'cancellation_policy', 'room type',
               'Construction year', 'price', 'service fee', 'minimum nights',
               'number of reviews', 'last review', 'reviews per month',
               'review rate number', 'calculated host listings count',
               'availability 365', 'house_rules', 'license'],
              dtype='object')

In [5]: data.info
```

Out[5]: <bound method DataFrame.info of   id
NAME   \
0   1001254   Clean & quiet apt home by the park
1   1002102   Skylit Midtown Castle
2   1002403   THE VILLAGE OF HARLEM....NEW YORK !
3   1002755   NaN
4   1003689 Entire Apt: Spacious Studio/Loft by central park
...   .
102594 6092437   Spare room in Williamsburg
102595 6092990   Best Location near Columbia U
102596 6093542   Comfy, bright room in Brooklyn
102597 6094094   Big Studio-One Stop from Midtown
102598 6094647   585 sf Luxury Studio

            host id host_identity_verified   host name neighbourhood group \
0   80014485718   unconfirmed   Madaline   Brooklyn
1   52335172823   verified   Jenna   Manhattan
2   78829239556   NaN   Elise   Manhattan
3   85098326012   unconfirmed   Garry   Brooklyn
4   92037596077   verified   Lyndon   Manhattan
...   .
102594 12312296767   verified   Krik   Brooklyn
102595 77864383453   unconfirmed   Mifan   Manhattan
102596 69050334417   unconfirmed   Megan   Brooklyn
102597 11160591270   unconfirmed Christopher   Queens
102598 68170633372   unconfirmed   Rebecca   Manhattan

             neighbourhood   lat   long   country ... \
0   Kensington 40.64749 -73.97237 United States ...
1   Midtown 40.75362 -73.98377 United States ...
2   Harlem 40.80902 -73.94190 United States ...
3   Clinton Hill 40.68514 -73.95976 United States ...
4   East Harlem 40.79851 -73.94399 United States ...
...   .
102594   Williamsburg 40.70862 -73.94651 United States ...
102595 Morningside Heights 40.80460 -73.96545 United States ...
102596   Park Slope 40.67505 -73.98045 United States ...
102597   Long Island City 40.74989 -73.93777 United States ...
102598   Upper West Side 40.76807 -73.98342 United States ...

        service fee minimum nights number of reviews last review \
0            $193   10.0   9.0 10/19/2021
1             $28   30.0   45.0   5/21/2022
2            $124   3.0   0.0   NaN
3             $74   30.0   270.0   7/5/2019
4             $41   10.0   9.0 11/19/2018
...   .
102594 $169   1.0   0.0   NaN
102595 $167   1.0   1.0   7/6/2015
102596 $198   3.0   0.0   NaN
102597 $109   2.0   5.0 10/11/2015
102598 $206   1.0   0.0   NaN

        reviews per month review rate number calculated host listings count \
0   0.21   4.0   6.0
1   0.38   4.0   2.0

```
2                    NaN              5.0                    1.0
3                   4.64              4.0                    1.0
4                   0.10              3.0                    1.0
...                  ...              ...                    ...
102594               NaN              3.0                    1.0
102595              0.02              2.0                    2.0
102596               NaN              5.0                    1.0
102597              0.10              3.0                    1.0
102598               NaN              3.0                    1.0

        availability 365                                house_rules  \
0                  286.0  Clean up and treat the home the way you'd like...
1                  228.0  Pet friendly but please confirm with me if the...
2                  352.0  I encourage you to use my kitchen, cooking and...
3                  322.0                                            NaN
4                  289.0  Please no smoking in the house, porch or on th...
...                  ...                                            ...
102594             227.0  No Smoking No Parties or Events of any kind Pl...
102595             395.0  House rules: Guests agree to the following ter...
102596             342.0                                            NaN
102597             386.0                                            NaN
102598              69.0                                            NaN

        license
0           NaN
1           NaN
2           NaN
3           NaN
4           NaN
...         ...
102594      NaN
102595      NaN
102596      NaN
102597      NaN
102598      NaN

[102599 rows x 26 columns]>
```

In [6]: `data["license"]`

Out[6]:
```
0            NaN
1            NaN
2            NaN
3            NaN
4            NaN
           ...
102594       NaN
102595       NaN
102596       NaN
102597       NaN
102598       NaN
Name: license, Length: 102599, dtype: object
```

In [7]: `data.columns`

```
Out[7]:  Index(['id', 'NAME', 'host id', 'host_identity_verified', 'host name',
                'neighbourhood group', 'neighbourhood', 'lat', 'long', 'country',
                'country code', 'instant_bookable', 'cancellation_policy', 'room type',
                'Construction year', 'price', 'service fee', 'minimum nights',
                'number of reviews', 'last review', 'reviews per month',
                'review rate number', 'calculated host listings count',
                'availability 365', 'house_rules', 'license'],
               dtype='object')
```

```
In [8]:  columns_to_keep = ['NAME', 'host id', 'host_identity_verified', 'host name',
                'neighbourhood group', 'neighbourhood', 'lat', 'long', 'country',
                'country code', 'instant_bookable', 'cancellation_policy', 'room type',
                'Construction year', 'price', 'service fee', 'minimum nights',
                'number of reviews', 'last review']
```

```
In [9]:  len(columns_to_keep)
```

```
Out[9]:  19
```

```
In [10]:  columns_to_drop = [ 'reviews per month',
                'review rate number', 'calculated host listings count',
                'availability 365', 'house_rules', 'license' , 'id' ]
```

```
In [11]:  len(columns_to_drop)
```

```
Out[11]:  7
```

```
In [12]:  data[columns_to_keep]
```

	NAME	host id	host_identity_verified	host name	neighbourhood group	n
0	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn	
1	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan	
2	THE VILLAGE OF HARLEM....NEW YORK !	78829239556	NaN	Elise	Manhattan	
3	NaN	85098326012	unconfirmed	Garry	Brooklyn	
4	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan	
...	...	...	...	...	...	
102594	Spare room in Williamsburg	12312296767	verified	Krik	Brooklyn	
102595	Best Location near Columbia U	77864383453	unconfirmed	Mifan	Manhattan	
102596	Comfy, bright room in Brooklyn	69050334417	unconfirmed	Megan	Brooklyn	
102597	Big Studio-One Stop from Midtown	11160591270	unconfirmed	Christopher	Queens	L
102598	585 sf Luxury Studio	68170633372	unconfirmed	Rebecca	Manhattan	

102599 rows × 19 columns

`data.shape`

`(102599, 26)`

`df = data[columns_to_keep]`

`df`

	NAME	host id	host_identity_verified	host name	neighbourhood group	n
0	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn	
1	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan	
2	THE VILLAGE OF HARLEM....NEW YORK !	78829239556	NaN	Elise	Manhattan	
3	NaN	85098326012	unconfirmed	Garry	Brooklyn	
4	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan	
...	...	...	...	...	...	
102594	Spare room in Williamsburg	12312296767	verified	Krik	Brooklyn	
102595	Best Location near Columbia U	77864383453	unconfirmed	Mifan	Manhattan	
102596	Comfy, bright room in Brooklyn	69050334417	unconfirmed	Megan	Brooklyn	
102597	Big Studio-One Stop from Midtown	11160591270	unconfirmed	Christopher	Queens	L
102598	585 sf Luxury Studio	68170633372	unconfirmed	Rebecca	Manhattan	

102599 rows × 19 columns

In [16]:
```python
data.drop(columns = ["license"])
```

	id	NAME	host id	host_identity_verified	host name	neighbou
0	1001254	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Br
1	1002102	Skylit Midtown Castle	52335172823	verified	Jenna	Mar
2	1002403	THE VILLAGE OF HARLEM....NEW YORK !	78829239556	NaN	Elise	Mar
3	1002755	NaN	85098326012	unconfirmed	Garry	Br
4	1003689	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Mar
...	...	...	...	...	...	
102594	6092437	Spare room in Williamsburg	12312296767	verified	Krik	Br
102595	6092990	Best Location near Columbia U	77864383453	unconfirmed	Mifan	Mar
102596	6093542	Comfy, bright room in Brooklyn	69050334417	unconfirmed	Megan	Br
102597	6094094	Big Studio-One Stop from Midtown	11160591270	unconfirmed	Christopher	C
102598	6094647	585 sf Luxury Studio	68170633372	unconfirmed	Rebecca	Mar

102599 rows × 25 columns

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

```
Out[17]: (102599, 26)
```

```
In [18]: data.drop(columns = columns_to_drop,inplace = True)
```

```
In [19]: data.shape
```

```
Out[19]: (102599, 19)
```

```
In [20]: data
```

	NAME	host id	host_identity_verified	host name	neighbourhood group	n
0	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn	
1	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan	
2	THE VILLAGE OF HARLEM....NEW YORK !	78829239556	NaN	Elise	Manhattan	
3	NaN	85098326012	unconfirmed	Garry	Brooklyn	
4	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan	
...	...	...	...	...	...	
102594	Spare room in Williamsburg	12312296767	verified	Krik	Brooklyn	
102595	Best Location near Columbia U	77864383453	unconfirmed	Mifan	Manhattan	
102596	Comfy, bright room in Brooklyn	69050334417	unconfirmed	Megan	Brooklyn	
102597	Big Studio-One Stop from Midtown	11160591270	unconfirmed	Christopher	Queens	L
102598	585 sf Luxury Studio	68170633372	unconfirmed	Rebecca	Manhattan	

102599 rows × 19 columns

In [21]:
```
"""BaseExceptionDeleting redundant columns.
Renaming the columns.
Dropping duplicates
Cleaning individual columns.
Remove the NaN values from the dataset
Check for some more Transformations"""
```

Out[21]: 'BaseExceptionDeleting redundant columns.\nRenaming the columns.\nDropping duplica
tes\nCleaning individual columns.\nRemove the NaN values from the dataset\nCheck f
or some more Transformations'

```
In [22]:  data.columns
```

```
Out[22]:  Index(['NAME', 'host id', 'host_identity_verified', 'host name',
                 'neighbourhood group', 'neighbourhood', 'lat', 'long', 'country',
                 'country code', 'instant_bookable', 'cancellation_policy', 'room type',
                 'Construction year', 'price', 'service fee', 'minimum nights',
                 'number of reviews', 'last review'],
               dtype='object')
```

```
In [23]:  data.rename(columns = {"NAME": "Name"},inplace = True)
```

```
In [24]:  data
```

	Name	host id	host_identity_verified	host name	neighbourhood group	n
0	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn	
1	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan	
2	THE VILLAGE OF HARLEM....NEW YORK !	78829239556	NaN	Elise	Manhattan	
3	NaN	85098326012	unconfirmed	Garry	Brooklyn	
4	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan	
...	...	...	...	...	...	
102594	Spare room in Williamsburg	12312296767	verified	Krik	Brooklyn	
102595	Best Location near Columbia U	77864383453	unconfirmed	Mifan	Manhattan	
102596	Comfy, bright room in Brooklyn	69050334417	unconfirmed	Megan	Brooklyn	
102597	Big Studio-One Stop from Midtown	11160591270	unconfirmed	Christopher	Queens	L
102598	585 sf Luxury Studio	68170633372	unconfirmed	Rebecca	Manhattan	

102599 rows × 19 columns

In [25]: `data.columns`

Out[25]:
```
Index(['Name', 'host id', 'host_identity_verified', 'host name',
       'neighbourhood group', 'neighbourhood', 'lat', 'long', 'country',
       'country code', 'instant_bookable', 'cancellation_policy', 'room type',
       'Construction year', 'price', 'service fee', 'minimum nights',
       'number of reviews', 'last review'],
      dtype='object')
```

In [26]:
```python
new_columns_names = []
for i in data.columns:
```

```
          new_columns_names.append(i.upper())
```

In [27]:
```
new_columns_names
```

Out[27]:
```
['NAME',
 'HOST ID',
 'HOST_IDENTITY_VERIFIED',
 'HOST NAME',
 'NEIGHBOURHOOD GROUP',
 'NEIGHBOURHOOD',
 'LAT',
 'LONG',
 'COUNTRY',
 'COUNTRY CODE',
 'INSTANT_BOOKABLE',
 'CANCELLATION_POLICY',
 'ROOM TYPE',
 'CONSTRUCTION YEAR',
 'PRICE',
 'SERVICE FEE',
 'MINIMUM NIGHTS',
 'NUMBER OF REVIEWS',
 'LAST REVIEW']
```

In [28]:
```
new_dataframe_to_modify = data.copy()
```

In [29]:
```
new_dataframe_to_modify.columns
```

Out[29]:
```
Index(['Name', 'host id', 'host_identity_verified', 'host name',
       'neighbourhood group', 'neighbourhood', 'lat', 'long', 'country',
       'country code', 'instant_bookable', 'cancellation_policy', 'room type',
       'Construction year', 'price', 'service fee', 'minimum nights',
       'number of reviews', 'last review'],
      dtype='object')
```

In [30]:
```
"""Deleting redundant columns.
Renaming the columns.
Dropping duplicates.
Cleaning individual columns.
Remove the NaN values from the dataset
Check for some more Transformations"""
```

Out[30]:
```
'Deleting redundant columns.\nRenaming the columns.\nDropping duplicates.\nCleanin
g individual columns.\nRemove the NaN values from the dataset\nCheck for some more
Transformations'
```

In [31]:
```
data.duplicated().sum()
```

Out[31]:
```
np.int64(541)
```

In [32]:
```
data.drop_duplicates()
```

Out[32]:

	Name	host id	host_identity_verified	host name	neighbourhood group	neig
0	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn	
1	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan	
2	THE VILLAGE OF HARLEM....NEW YORK !	78829239556	NaN	Elise	Manhattan	
3	NaN	85098326012	unconfirmed	Garry	Brooklyn	
4	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan	
...	...	...	...	...	...	
102053	Cozy bright room near Prospect Park	77326652202	unconfirmed	Mariam	Brooklyn	
102054	Private Bedroom with Amazing Rooftop View	45936254757	verified	Trey	Brooklyn	
102055	Pretty Brooklyn One-Bedroom for 2 to 4 people	23801060917	verified	Michael	Brooklyn	
102056	Room & private bathroom in historic Harlem	15593031571	unconfirmed	Shireen	Manhattan	
102057	Rosalee Stewart	93578954226	verified	Stanley	Manhattan	

102058 rows × 19 columns

In [33]: `data.drop_duplicates(inplace = True)`

In [34]: `data.duplicated().sum()`

Out[34]: `np.int64(0)`

```
In [35]: """Deleting redundant columns.
         Renaming the columns.
         Dropping duplicates.
         Cleaning individual columns.
         Remove the NaN values from the dataset
         Check for some more Transformations"""
```

Out[35]: 'Deleting redundant columns.\nRenaming the columns.\nDropping duplicates.\nCleanin
         g individual columns.\nRemove the NaN values from the dataset\nCheck for some more
         Transformations'

```
In [36]: data.isna().sum()
```

Out[36]:
```
Name                        250
host id                       0
host_identity_verified      289
host name                   404
neighbourhood group          29
neighbourhood                16
lat                           8
long                          8
country                     532
country code                131
instant_bookable            105
cancellation_policy          76
room type                     0
Construction year           214
price                       247
service fee                 273
minimum nights              400
number of reviews           183
last review               15832
dtype: int64
```

```
In [37]: data.dropna()
```

	Name	host id	host_identity_verified	host name	neighbourhood group	neig
0	Clean & quiet apt home by the park	80014485718	unconfirmed	Madaline	Brooklyn	
1	Skylit Midtown Castle	52335172823	verified	Jenna	Manhattan	
4	Entire Apt: Spacious Studio/Loft by central park	92037596077	verified	Lyndon	Manhattan	
5	Large Cozy 1 BR Apartment In Midtown East	45498551794	verified	Michelle	Manhattan	
7	BlissArtsSpace!	90821839709	unconfirmed	Emma	Brooklyn	
...	...	...	...	...	...	
102029	Cozy room in a 2B with backyard access	5155155913	unconfirmed	Cristina	Queens	
102030	An East Williamsburg Delight	71564706996	verified	Petra	Brooklyn	
102031	Cozy bedroom in williamsburg	83101851929	verified	Russell	Brooklyn	V
102032	Spacious Room w/ 2 Bed	69037598918	unconfirmed	Christine	Queens	
102040	Room in Queens, NY, near LGA.	56457739998	verified	Sonia	Queens	E

83969 rows × 19 columns

In [38]:
```python
data.isna().sum()
```

```
Out[38]:   Name                       250
           host id                      0
           host_identity_verified     289
           host name                  404
           neighbourhood group         29
           neighbourhood               16
           lat                          8
           long                         8
           country                    532
           country code               131
           instant_bookable           105
           cancellation_policy         76
           room type                    0
           Construction year          214
           price                      247
           service fee                273
           minimum nights             400
           number of reviews          183
           last review              15832
           dtype: int64
```

In [39]: `data.dropna(inplace = True)`

In [40]: `data.isna().sum()`

```
Out[40]:   Name                       0
           host id                    0
           host_identity_verified     0
           host name                  0
           neighbourhood group        0
           neighbourhood              0
           lat                        0
           long                       0
           country                    0
           country code               0
           instant_bookable           0
           cancellation_policy        0
           room type                  0
           Construction year          0
           price                      0
           service fee                0
           minimum nights             0
           number of reviews          0
           last review                0
           dtype: int64
```

In [41]:
```
"""Deleting redundant columns.
Renaming the columns.
Dropping duplicates.
Remove the NaN values from the dataset
Cleaning individual columns.
Check for some more Transformations"""
```

```
Out[41]: 'Deleting redundant columns.\nRenaming the columns.\nDropping duplicates.\nRemove
         the NaN values from the dataset\nCleaning individual columns.\nCheck for some more
         Transformations'
```

```
In [42]: data["host_identity_verified"].str.upper()
```

```
Out[42]: 0           UNCONFIRMED
         1              VERIFIED
         4              VERIFIED
         5              VERIFIED
         7           UNCONFIRMED
                        ...
         102029      UNCONFIRMED
         102030         VERIFIED
         102031         VERIFIED
         102032      UNCONFIRMED
         102040         VERIFIED
         Name: host_identity_verified, Length: 83969, dtype: object
```

```
In [43]: data["host_identity_verified"] = data["host_identity_verified"].str.upper()
```

```
In [44]: data["instant_bookable"].apply(lambda x: 1 if x == True else 0)
```

```
Out[44]: 0            0
         1            0
         4            0
         5            1
         7            0
                     ..
         102029       0
         102030       1
         102031       1
         102032       0
         102040       1
         Name: instant_bookable, Length: 83969, dtype: int64
```

```
In [45]: data["instant_bookable"] = data["instant_bookable"].apply(lambda x: 1 if x ==
         True else 0)
```

```
In [46]: data.reset_index(inplace = True)
```

```
In [47]: type(data["instant_bookable"] [15])
```

```
Out[47]: numpy.int64
```

```
In [48]: """Deleting redundant columns.
         Renaming the columns.
         Dropping duplicates.
         Cleaning individual columns.
         Remove the NaN values from the dataset
         Check for some more Transformations"""
```

```
Out[48]:  'Deleting redundant columns.\nRenaming the columns.\nDropping duplicates.\nCleanin
          g individual columns.\nRemove the NaN values from the dataset\nCheck for some more
          Transformations'
```

```
In [49]:  data["price"] = data["price"].str.replace("$", "")
```

```
In [50]:  type(data["price"] [15])
```

```
Out[50]:  str
```

```
In [51]:  data["price"]
```

```
Out[51]:  0            966
          1            142
          2            204
          3            577
          4          1,060
                     ...
          83964        822
          83965        455
          83966      1,078
          83967        103
          83968        982
          Name: price, Length: 83969, dtype: object
```

```
In [52]:  data["price"].str.replace(",", "")
```

```
Out[52]:  0            966
          1            142
          2            204
          3            577
          4           1060
                     ...
          83964        822
          83965        455
          83966       1078
          83967        103
          83968        982
          Name: price, Length: 83969, dtype: object
```

```
In [53]:  data["price"] [15]
```

```
Out[53]:  '370 '
```

```
In [54]:  data["price"] = data["price"].str.replace(" ","")
```

```
In [55]:  data["price"]
```

```
Out[55]:   0            966
           1            142
           2            204
           3            577
           4          1,060
                      ...
           83964        822
           83965        455
           83966      1,078
           83967        103
           83968        982
           Name: price, Length: 83969, dtype: object
```

```
In [56]:   data["price"].isna().sum()
```

```
Out[56]:   np.int64(0)
```

```
In [57]:   data["price"] = pd.to_numeric(data["price"], errors="coerce").astype("Int64")
```

```
In [58]:   type(data["price"] [1])
```

```
Out[58]:   numpy.int64
```

```
In [59]:   data.isna().sum()
```

```
Out[59]:   index                       0
           Name                        0
           host id                     0
           host_identity_verified      0
           host name                   0
           neighbourhood group         0
           neighbourhood               0
           lat                         0
           long                        0
           country                     0
           country code                0
           instant_bookable            0
           cancellation_policy         0
           room type                   0
           Construction year           0
           price                   14766
           service fee                 0
           minimum nights              0
           number of reviews           0
           last review                 0
           dtype: int64
```

```
In [60]:   data["price"]
```

```
Out[60]:  0          966
          1          142
          2          204
          3          577
          4          <NA>
                     ...
          83964      822
          83965      455
          83966      <NA>
          83967      103
          83968      982
          Name: price, Length: 83969, dtype: Int64
```

```
In [61]:  data.to_csv("Airbnb_dataset_cleaned", index = False)
```

```
In [62]:  pd.read_csv("Airbnb_dataset_cleaned.csv")
```

	index	Name	host id	host_identity_verified	host name	neighbourhoo grou
0	0	Clean & quiet apt home by the park	80014485718	UNCONFIRMED	Madaline	Brookly
1	1	Skylit Midtown Castle	52335172823	VERIFIED	Jenna	Manhatta
2	4	Entire Apt: Spacious Studio/Loft by central park	92037596077	VERIFIED	Lyndon	Manhatta
3	5	Large Cozy 1 BR Apartment In Midtown East	45498551794	VERIFIED	Michelle	Manhatta
4	7	BlissArtsSpace!	90821839709	UNCONFIRMED	Emma	Brookly
...	...	...	...	...	...	
83964	102029	Cozy room in a 2B with backyard access	5155155913	UNCONFIRMED	Cristina	Queer
83965	102030	An East Williamsburg Delight	71564706996	VERIFIED	Petra	Brookly
83966	102031	Cozy bedroom in williamsburg	83101851929	VERIFIED	Russell	Brookly
83967	102032	Spacious Room w/ 2 Bed	69037598918	UNCONFIRMED	Christine	Queer
83968	102040	Room in Queens, NY, near LGA.	56457739998	VERIFIED	Sonia	Queer

83969 rows × 20 columns

`data`

	index	Name	host id	host_identity_verified	host name	neighbourhoo grou
0	0	Clean & quiet apt home by the park	80014485718	UNCONFIRMED	Madaline	Brookly
1	1	Skylit Midtown Castle	52335172823	VERIFIED	Jenna	Manhatta
2	4	Entire Apt: Spacious Studio/Loft by central park	92037596077	VERIFIED	Lyndon	Manhatta
3	5	Large Cozy 1 BR Apartment In Midtown East	45498551794	VERIFIED	Michelle	Manhatta
4	7	BlissArtsSpace!	90821839709	UNCONFIRMED	Emma	Brookly
...	...	...	...	...	...	
83964	102029	Cozy room in a 2B with backyard access	5155155913	UNCONFIRMED	Cristina	Queer
83965	102030	An East Williamsburg Delight	71564706996	VERIFIED	Petra	Brookly
83966	102031	Cozy bedroom in williamsburg	83101851929	VERIFIED	Russell	Brookly
83967	102032	Spacious Room w/ 2 Bed	69037598918	UNCONFIRMED	Christine	Queer
83968	102040	Room in Queens, NY, near LGA.	56457739998	VERIFIED	Sonia	Queer

83969 rows × 20 columns