

In [211]:

```
import pandas as pd
import os
import sys
from scipy import stats
import matplotlib.pyplot as plt
import seaborn as sns
```

Variables

In [212]:

```
file_path = 'C:/Users/Admin/Desktop/project/uni_project/files'
step_two_df_headings = ['location', 'no_of_businesses', 'total_reviews', 'percentage_of_review
pd.set_option('display.max_rows', None)
```

In [213]:

```
os.chdir(file_path)
category_list = []
meta_data_df = pd.DataFrame(columns=['Category Name', 'Number of Listings'])

id = 19162
i=1
for file in os.listdir(os.getcwd()):
    if file.endswith('.csv'):
        file = file.split('_',1)
        file = file[0]
        if(file not in category_list):
            category_list.append(file)
            print(i,": ",file)
            i = i+1
```

```
1 : Beauty salon
2 : House Cleaning Service
3 : Meta Data.csv
4 : Photography
5 : Poultry farming
6 : Real estate Investment
7 : skill teaching
```

In [214]:

```
cat_number = input("Enter category by number: ")
```

Enter category by number: 1

In [215]:

```
category_to_continue_with = category_list[int(cat_number)-1]
category_to_continue_with
```

Out[215]:

'Beauty salon'

In [216]:

```
master_df = pd.DataFrame(columns=step_two_df_headings)

for file in os.listdir(os.getcwd()):
    if file.endswith('.csv') and category_to_continue_with in file:
        temp_df = pd.read_csv(file)
        total_rows = len(temp_df) #
        temp_df.replace(',', '', regex=True, inplace=True)
        temp_df = temp_df[['no_of_reviews', 'rating']]
        #print(temp_df)
        temp_df.dropna(inplace=True)

        loc_temp = file.split('_', 1)
        loc_temp = loc_temp[1]
        loc_temp = loc_temp.replace(".csv", '')
        loc_temp = loc_temp.replace("Lahore Pakistan", '')
        location = loc_temp
        temp_df['no_of_reviews'] = pd.to_numeric(temp_df['no_of_reviews'])
        total_reviews = temp_df['no_of_reviews'].sum()
        temp_dic = {'location':location, 'no_of_businesses':total_rows, 'total_reviews':total}
        tdf = pd.DataFrame([temp_dic])
        master_df = pd.concat([master_df, tdf], ignore_index=True)
        #print(temp_dic)

#df = pd.read_csv(f'{file_path}/{category_to_continue_with}')
#df
```

In [217]:

```
print(len(master_df))
master_df
```

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Out[217]:

| | location | no_of_businesses | total_reviews | percentage_of_reviews |
|----|-------------------|------------------|---------------|-----------------------|
| 0 | Airline Society | 170 | 23711 | 139.476471 |
| 1 | Aitchison Society | 170 | 9766.0 | 57.447059 |
| 2 | Ali Park | 170 | 19761 | 116.241176 |
| 3 | Allama Iqbal Town | 166 | 9609.0 | 57.885542 |
| 4 | Askrai Villa 3 | 170 | 21505 | 126.500000 |
| 5 | Askrai Villa 6 | 170 | 21591 | 127.005882 |
| 6 | Askrai Villa 9 | 157 | 23067 | 146.923567 |
| 7 | Baghban Pura | 170 | 14499 | 85.288235 |
| 8 | Bagrian | 170 | 22768 | 133.929412 |
| 9 | Bedian Road | 170 | 20064 | 118.023529 |
| 10 | Bostan Colony | 170 | 24196 | 142.329412 |
| 11 | Burj Colony | 170 | 24359 | 143.288235 |
| 12 | Cantt | 170 | 17795 | 104.676471 |
| 13 | Cavalry Ground | 168 | 19275 | 114.732143 |
| 14 | Chachowali | 170 | 24910 | 146.529412 |
| 15 | DHA 1 | 168 | 13427 | 79.922619 |
| 16 | DHA 4 | 170 | 11667.0 | 68.629412 |
| 17 | DHA 7 | 170 | 19577 | 115.158824 |
| 18 | Faisal Town | 170 | 17209.0 | 101.229412 |
| 19 | Faruque Ganj | 170 | 24924 | 146.611765 |
| 20 | Fransisi Town | 156 | 0.0 | 0.000000 |
| 21 | Gawal Mandi | 170 | 18916 | 111.270588 |
| 22 | Ghazi Road | 170 | 19441 | 114.358824 |
| 23 | Gor | 170 | 26323 | 154.841176 |
| 24 | Gulbahar Colony | 170 | 20240 | 119.058824 |
| 25 | Gulberg 3 | 170 | 19285 | 113.441176 |
| 26 | Gulshan E Ravi | 169 | 10143.0 | 60.017751 |
| 27 | Hamdard Chowk | 170 | 24784 | 145.788235 |
| 28 | Herbuns Pura | 122 | 21731 | 178.122951 |
| 29 | Ittehad Colony | 170 | 9416.0 | 55.388235 |
| 30 | Johar Town | 169 | 8921.0 | 52.786982 |
| 31 | Karim Park | 170 | 15533 | 91.370588 |
| 32 | Lake City | 170 | 22293 | 131.135294 |

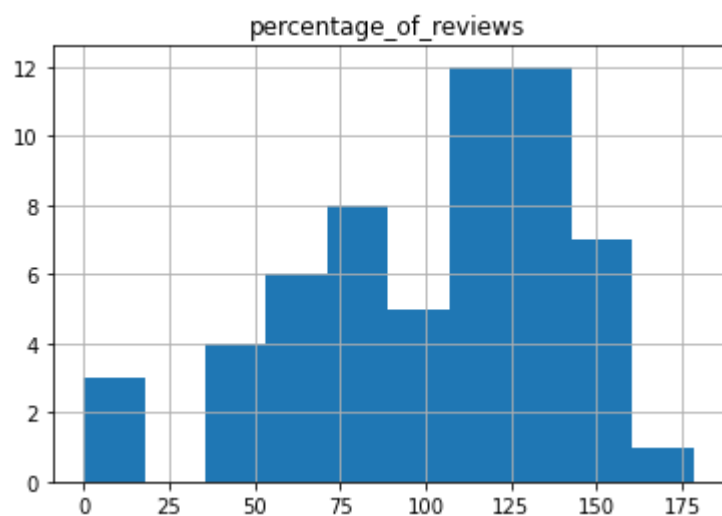
| | location | no_of_businesses | total_reviews | percentage_of_reviews |
|----|--------------------------|------------------|---------------|-----------------------|
| 33 | Mazang | 170 | 22509 | 132.405882 |
| 34 | Nespak Society | 170 | 24073 | 141.605882 |
| 35 | NFC Town | 170 | 20172 | 118.658824 |
| 36 | Nishtar Colony | 170 | 21295 | 125.264706 |
| 37 | Officers Colony | 170 | 21309 | 125.347059 |
| 38 | Opf Housing Scheme | 170 | 11502.0 | 67.658824 |
| 39 | PASCO Housing Society | 170 | 0.0 | 0.000000 |
| 40 | PCSIR Housing Scheme | 170 | 12812.0 | 75.364706 |
| 41 | Punjab Society Near Dha | 149 | 5521.0 | 37.053691 |
| 42 | Punjab University Hostel | 170 | 17196 | 101.152941 |
| 43 | Punjab University | 170 | 22116 | 130.094118 |
| 44 | Qila Gujarsing | 170 | 7680.0 | 45.176471 |
| 45 | Railway Housing Society | 117 | 9547 | 81.598291 |
| 46 | Ram Garh | 170 | 20913 | 123.017647 |
| 47 | Samanabad | 170 | 12528.0 | 73.694118 |
| 48 | Sanat Nagar | 170 | 20549 | 120.876471 |
| 49 | Sanda Khurd | 75 | 3958.0 | 52.773333 |
| 50 | Sarshar Town | 170 | 26862 | 158.011765 |
| 51 | Shabir Town | 170 | 17166 | 100.976471 |
| 52 | Shad Bagh | 168 | 12471 | 74.232143 |
| 53 | Shadman Colony | 169 | 19965 | 118.136095 |
| 54 | Shalimar Town | 170 | 14899 | 87.641176 |
| 55 | Sukh Chain Society | 16 | 0.0 | 0.000000 |
| 56 | Suparco Colony | 170 | 13713 | 80.664706 |
| 57 | Wafaqi Colony | 170 | 22721 | 133.652941 |

Find average of % review column by Removing outliers from dataframe below Rafy

Note: use a temporary dataframe

In [218]:

```
temp_DataFrame = master_df
temp_DataFrame.hist(column="percentage_of_reviews")
plt.show()
```

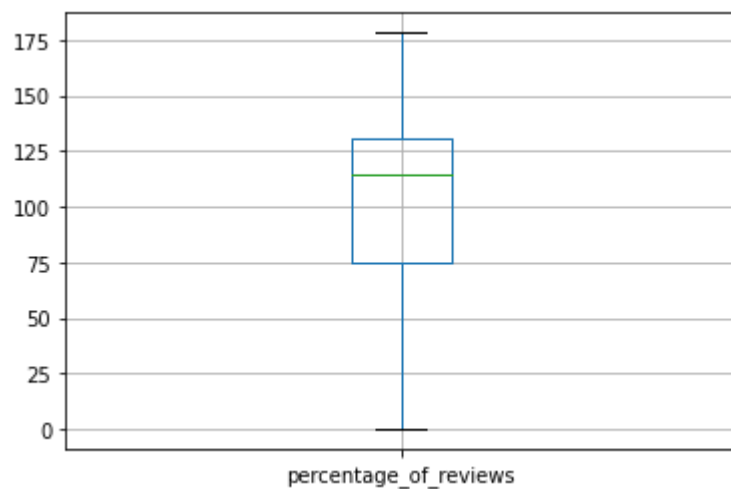


In [219]:

```
temp_DataFrame.boxplot(column='percentage_of_reviews')
```

Out[219]:

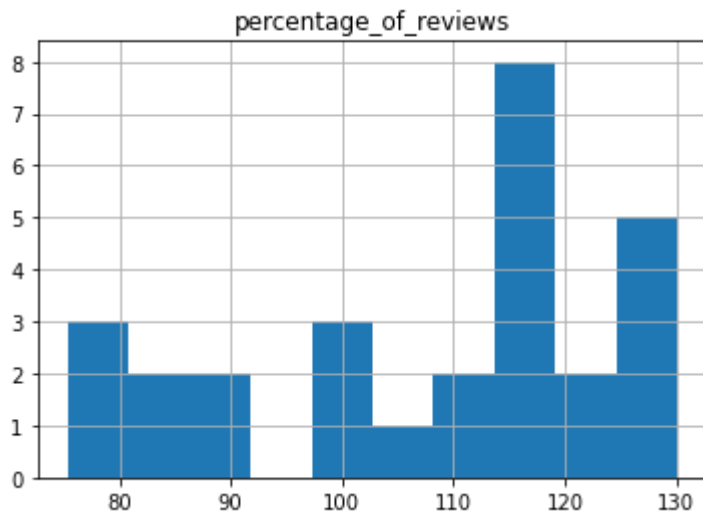
<AxesSubplot:>



In [220]:

```
q_low = temp_DataFrame["percentage_of_reviews"].quantile(0.25)
q_hi  = temp_DataFrame["percentage_of_reviews"].quantile(0.75)

temp_DataFrame = temp_DataFrame[(temp_DataFrame["percentage_of_reviews"] < q_hi) & (temp_DataFrame["percentage_of_reviews"] > q_low)]
temp_DataFrame.hist(column="percentage_of_reviews")
plt.show()
```

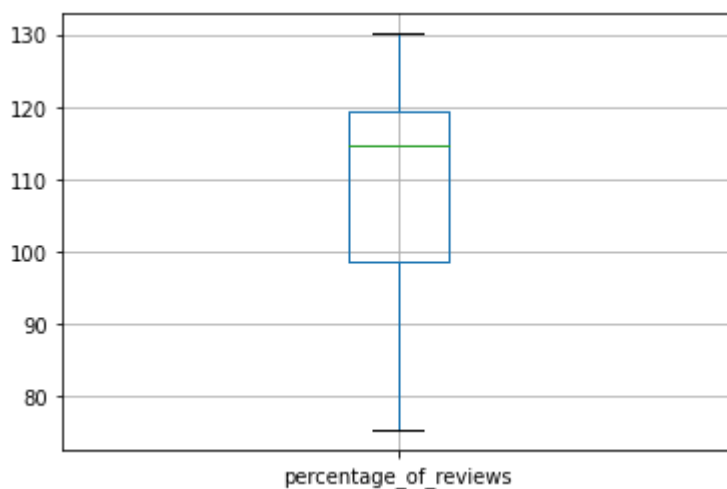


In [221]:

```
temp_DataFrame.boxplot(column='percentage_of_reviews')
```

Out[221]:

<AxesSubplot:>



In [222]:

```
print(len(temp_DataFrame))
temp_DataFrame
```

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Out[222]:

| | location | no_of_businesses | total_reviews | percentage_of_reviews |
|----|--------------------------|------------------|---------------|-----------------------|
| 2 | Ali Park | 170 | 19761 | 116.241176 |
| 4 | Askrai Villa 3 | 170 | 21505 | 126.500000 |
| 5 | Askrai Villa 6 | 170 | 21591 | 127.005882 |
| 7 | Baghban Pura | 170 | 14499 | 85.288235 |
| 9 | Bedian Road | 170 | 20064 | 118.023529 |
| 12 | Cantt | 170 | 17795 | 104.676471 |
| 13 | Cavalry Ground | 168 | 19275 | 114.732143 |
| 15 | DHA 1 | 168 | 13427 | 79.922619 |
| 17 | DHA 7 | 170 | 19577 | 115.158824 |
| 18 | Faisal Town | 170 | 17209.0 | 101.229412 |
| 21 | Gawal Mandi | 170 | 18916 | 111.270588 |
| 22 | Ghazi Road | 170 | 19441 | 114.358824 |
| 24 | Gulbahar Colony | 170 | 20240 | 119.058824 |
| 25 | Gulberg 3 | 170 | 19285 | 113.441176 |
| 31 | Karim Park | 170 | 15533 | 91.370588 |
| 35 | NFC Town | 170 | 20172 | 118.658824 |
| 36 | Nishtar Colony | 170 | 21295 | 125.264706 |
| 37 | Officers Colony | 170 | 21309 | 125.347059 |
| 40 | PCSIR Housing Scheme | 170 | 12812.0 | 75.364706 |
| 42 | Punjab University Hostel | 170 | 17196 | 101.152941 |
| 43 | Punjab University | 170 | 22116 | 130.094118 |
| 45 | Railway Housing Society | 117 | 9547 | 81.598291 |
| 46 | Ram Garh | 170 | 20913 | 123.017647 |
| 48 | Sanat Nagar | 170 | 20549 | 120.876471 |
| 51 | Shabir Town | 170 | 17166 | 100.976471 |
| 53 | Shadman Colony | 169 | 19965 | 118.136095 |
| 54 | Shalimar Town | 170 | 14899 | 87.641176 |
| 56 | Suparco Colony | 170 | 13713 | 80.664706 |

In [223]:

```
total_percentage_reviews = temp_DataFrame['percentage_of_reviews'].sum()
total_rows_after_outliers = temp_DataFrame.shape[0]
threshold_for_selection = total_percentage_reviews/total_rows_after_outliers
threshold_for_selection
```

Out[223]:

108.10969643281375

Prepare a list of selected files which have greater % reviews than average Rafy

In [224]:

```
sel_list=[]
selected = master_df[(master_df["percentage_of_reviews"] > threshold_for_selection)]
selected = selected[["location"]]
sel_list = selected['location'].tolist()
#sel_list.append(sel_list)
print(len(sel_list))
print(sel_list)
```

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```
['Airline Society ', 'Ali Park ', 'Askrai Villa 3 ', 'Askrai Villa 6 ', 'Askrai Villa 9 ', 'Bagrian ', 'Bedian Road ', 'Bostan Colony ', 'Burj Colony ', 'Cavalry Ground ', 'Chachowali ', 'DHA 7 ', 'Faruque Ganj ', 'Gawal Mandi ', 'Ghazi Road ', 'Gor ', 'Gulbahar Colony ', 'Gulberg 3 ', 'Hamdard Chowk ', 'Herbuns Pura ', 'Lake City ', 'Mazang ', 'Nespak Society ', 'NFC Town ', 'Nishtar Colony ', 'Officers Colony ', 'Punjab University ', 'Ram Garh ', 'Sanat Nagar ', 'Sarshar Town ', 'Shadman Colony ', 'Wafaqi Colony ']
```

its my turn...

In [138]:

```
prepared_list = []
for i in sel_list:
    prepared_list.append(category_to_continue_with + '_' + '{}'.format(i) + 'Lahore Pakist
print(len(prepared_list))
print(prepared_list)
```

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```
['Beauty salon_Airline Society Lahore Pakistan.csv', 'Beauty salon_Ali Park
Lahore Pakistan.csv', 'Beauty salon_Askrai Villa 3 Lahore Pakistan.csv', 'Be
auty salon_Askrai Villa 6 Lahore Pakistan.csv', 'Beauty salon_Askrai Villa 9
Lahore Pakistan.csv', 'Beauty salon_Bagrian Lahore Pakistan.csv', 'Beauty sa
lon_Bedian Road Lahore Pakistan.csv', 'Beauty salon_Bostan Colony Lahore Pak
istan.csv', 'Beauty salon_Burj Colony Lahore Pakistan.csv', 'Beauty salon_Ca
valry Ground Lahore Pakistan.csv', 'Beauty salon_Chachowali Lahore Pakistan.
csv', 'Beauty salon_DHA 7 Lahore Pakistan.csv', 'Beauty salon_Faruque Ganj L
ahore Pakistan.csv', 'Beauty salon_Gawal Mandi Lahore Pakistan.csv', 'Beauty
salon_Ghazi Road Lahore Pakistan.csv', 'Beauty salon_Gor Lahore Pakistan.cs
v', 'Beauty salon_Gulbahar Colony Lahore Pakistan.csv', 'Beauty salon_Gulber
g 3 Lahore Pakistan.csv', 'Beauty salon_Hamdard Chowk Lahore Pakistan.csv',
'Beauty salon_Herbuns Pura Lahore Pakistan.csv', 'Beauty salon_Lake City Lah
ore Pakistan.csv', 'Beauty salon_Mazang Lahore Pakistan.csv', 'Beauty salon_
Nespak Society Lahore Pakistan.csv', 'Beauty salon_NFC Town Lahore Pakistan.
csv', 'Beauty salon_Nishtar Colony Lahore Pakistan.csv', 'Beauty salon_Offic
ers Colony Lahore Pakistan.csv', 'Beauty salon_Punjab University Lahore Paki
stan.csv', 'Beauty salon_Ram Garh Lahore Pakistan.csv', 'Beauty salon_Sanat
Nagar Lahore Pakistan.csv', 'Beauty salon_Sarshar Town Lahore Pakistan.csv',
'Beauty salon_Shadman Colony Lahore Pakistan.csv', 'Beauty salon_Wafaqi Colo
ny Lahore Pakistan.csv']
```

In [225]:

```
dataframes_list = []

# append datasets into the list
for i in range(len(prepared_list)):
    temp_df = pd.read_csv(file_path+'/' + prepared_list[i])
    temp_df = temp_df[['company', 'no_of_reviews', 'rating', 'address1']]
    temp_df.replace(',', '', regex=True, inplace=True)
    temp_df.dropna(inplace=True)
    temp_df['no_of_reviews'] = pd.to_numeric(temp_df['no_of_reviews'])
    temp_df['rating'] = pd.to_numeric(temp_df['rating'])
    dataframes_list.append(temp_df)
```

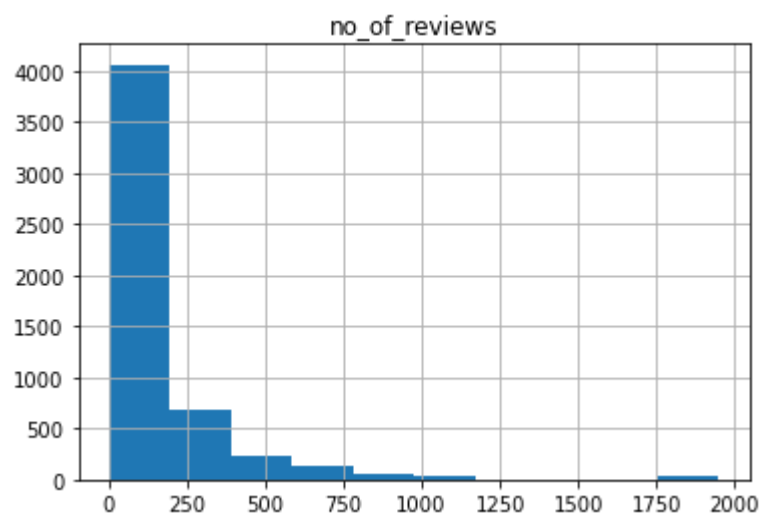
In [227]:

```
master_df2 = pd.DataFrame(columns=step_three_df_headings)
combining_dfs = [df2.set_index('company') for df2 in dataframes_list]
master_df2 = pd.concat(combining_dfs, axis=0)
print(len(master_df2))
master_df2
```

5223

In [228]:

```
master_df2_temp = master_df2
master_df2_temp.hist(column="no_of_reviews")
plt.show()
```

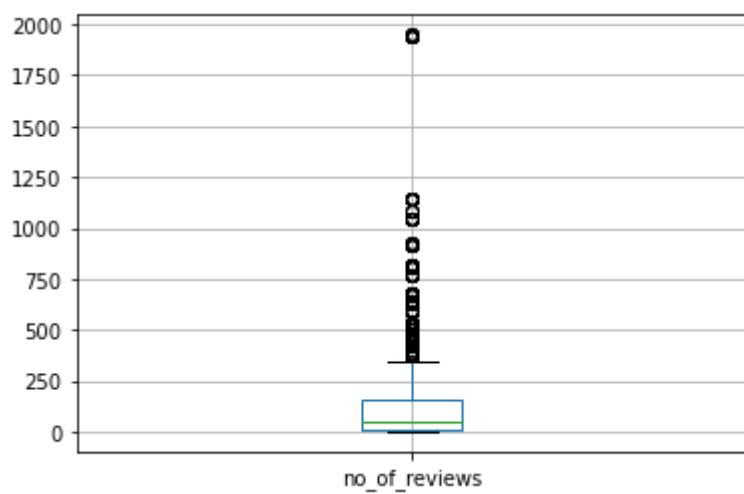


In [229]:

```
master_df2_temp.boxplot(column='no_of_reviews')
```

Out[229]:

<AxesSubplot:>

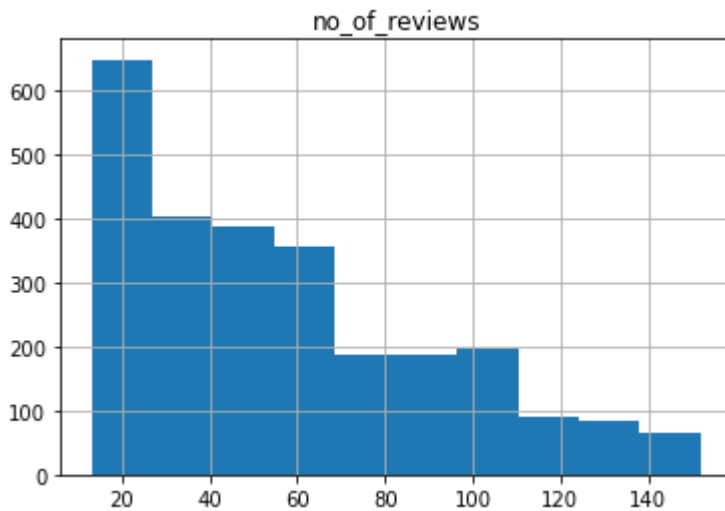


In [230]:

```
q_low = master_df2["no_of_reviews"].quantile(0.25)
q_hi  = master_df2["no_of_reviews"].quantile(0.75)
```

In [231]:

```
master_df2 = master_df2[(master_df2["no_of_reviews"] < q_hi) & (master_df2["no_of_reviews"]  
master_df2.hist(column="no_of_reviews")  
plt.show())
```

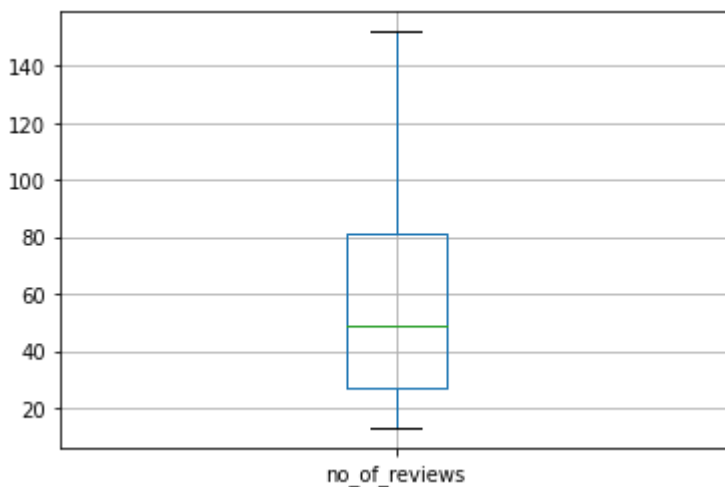


In [232]:

```
master_df2.boxplot(column='no_of_reviews')
```

Out[232]:

<AxesSubplot:>



In [233]:

```
# Average reviews  
total_reviews = master_df2_temp['no_of_reviews'].sum()  
total_rows_after_outliers = master_df2_temp.shape[0]  
threshold_for_selection_of_reviews = total_reviews/total_rows_after_outliers  
threshold_for_selection_of_reviews
```

Out[233]:

134.75090943901972

In [234]:

```
#Average rating
total_rating = master_df2_temp['rating'].sum()
total_rows_of_rating = len(master_df2_temp)
threshold_for_selection_of_rating = total_rating/total_rows_of_rating
threshold_for_selection_of_rating
```

Out[234]:

4.324736741336396

In [235]:

```
sel_bussiness=[]
selected = master_df2[(master_df2["no_of_reviews"] > threshold_for_selection_of_reviews)
                      & (master_df2["rating"] < threshold_for_selection_of_rating)]
```

In [236]:

```
print(len(selected))
selected
```

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Out[236]:

| | no_of_reviews | rating | address1 |
|--|---------------|--------|--|
| company | | | |
| Adeeb Hair Salon | 139 | 3.8 | Air Line Housing Scheme Airline Blvd Lahore Ai... |
| Let's Makeup | 143 | 4.3 | MUST Acadamy 25 ⁺ College Road Township Ahmed A... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C ⁺ Model Town ⁺ Lah... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C ⁺ Model Town ⁺ Lah... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e- Ravi Lahore... |
| Let's Makeup | 143 | 4.3 | MUST Acadamy 25 ⁺ College Road Township Ahmed A... |

| company | no_of_reviews | rating | address1 |
|---|---------------|--------|---|
| Let's Makeup | 143 | 4.3 | MUST Academy 25 th College Road Township Ahmed A... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C th Model Town th Lah... |
| Bobby Hair Saloon | 137 | 4.1 | Ghalib Rd opposite pace opposite hafeez center... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Let's Makeup | 143 | 4.3 | MUST Academy 25 th College Road Township Ahmed A... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| SMARTCUT - Faisal Town Lahore | 151 | 4.3 | 52 Qazi Muhammad Isa Rd Block B Faisal Town La... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| Let's Makeup | 143 | 4.3 | MUST Academy 25 th College Road Township Ahmed A... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Let's Makeup | 143 | 4.3 | MUST Academy 25 th College Road Township Ahmed A... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| Let's Makeup | 143 | 4.3 | MUST Academy 25 th College Road Township Ahmed A... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |

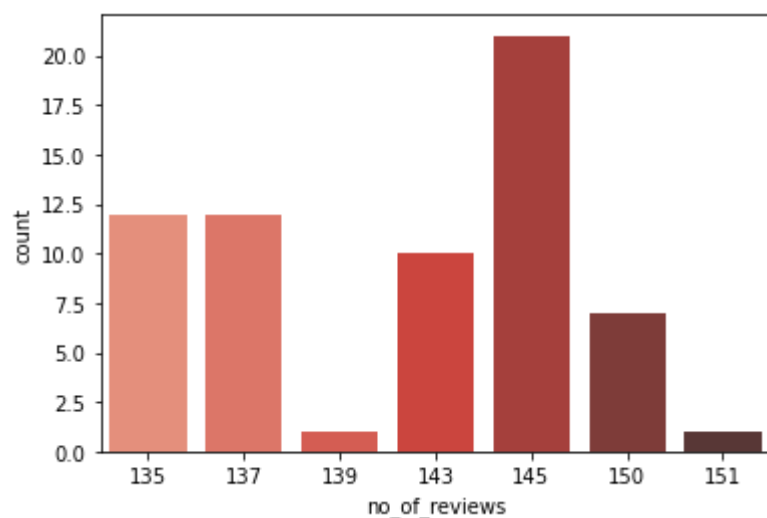
| company | no_of_reviews | rating | address1 |
|---|---------------|--------|---|
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C, Model Town, Lah... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| Deedar Beauty Salon | 135 | 4.1 | Kasbah Towe, College Rd, Sector C1 Township, T... |
| Bobby Hair Saloon | 137 | 4.1 | Ghalib Rd opposite pace opposite hafeez center... |
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C, Model Town, Lah... |
| Let's Makeup | 143 | 4.3 | MUST Academy 25, College Road Township Ahmed A... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Deedar Beauty Salon | 135 | 4.1 | Kasbah Towe, College Rd, Sector C1 Township, T... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| Arammish Spa DHA | 143 | 4.0 | FC67+CFH St 5 Sector C Phase 5 D.H.A Lahore Pu... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C, Model Town, Lah... |
| Arammish Gulberg Branch | 135 | 4.3 | Park 66-b Syed Maratib Ali Road F.C.C. Lahore ... |
| Let's Makeup | 143 | 4.3 | MUST Academy 25, College Road Township Ahmed A... |
| Depilex Beauty Clinic Johar Town Lahore | 137 | 3.6 | House #42 Allah Hoo Chowk near Gourmet Bakers ... |
| New Kashee Beauty Parlor | 145 | 3.9 | H72J+V9F E Block Block E Gulshan-e-Ravi Lahore... |
| Sun In Hair Salon | 150 | 4.2 | Central Commercial Market 20C, Model Town, Lah... |

In [248]:

```
sns.set_palette("husl",3)
sns.countplot(x = "no_of_reviews", data = selected , palette = "Reds_d")
```

Out[248]:

<AxesSubplot:xlabel='no_of_reviews', ylabel='count'>



In [249]:

```
sns.set_palette("husl",3)
sns.countplot(x = "rating", data = selected , palette = "Reds_d")
```

Out[249]:

<AxesSubplot:xlabel='rating', ylabel='count'>

