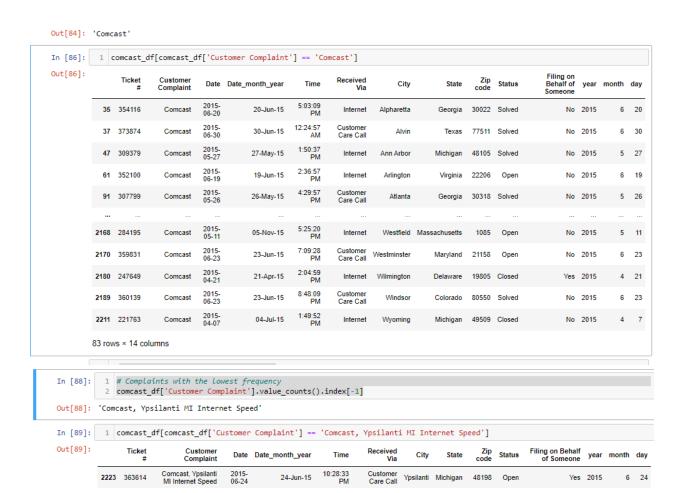
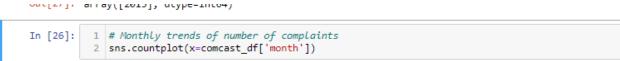
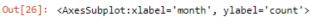
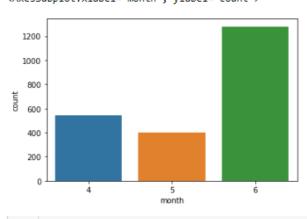
```
1 # Frequency of complain types
      In [75]:
                      2 comcast_df['Customer Complaint'].value_counts()
      Out[75]: Comcast
                    Comcast Internet
                                                                                        18
                    Comcast Data Cap
                                                                                        17
                                                                                        13
                    comcast
                    Comcast Billing
                                                                                        11
                    Improper Billing and non resolution of issues
                                                                                         1
                    Deceptive trade
                                                                                         1
                    intermittent internet
                                                                                          1
                    Internet Speed on Wireless Connection
                                                                                         1
                    Comcast, Ypsilanti MI Internet Speed
                    Name: Customer Complaint, Length: 1841, dtype: int64
 In [2]:
         1 #import required librarires
           import pandas as pd
            from pandas import Series, DataFrame
         4 import numpy as np
         5 import matplotlib.pyplot as plt
           import seaborn as sns
         7 from datetime import datetime
In [10]: 1 #import Comcast dataset csv file in Dataframe
         2 comcast_df = pd.read_csv('C:/Users/hleka/Google Drive/Data Science/Simplilearn/Python/Graded_Project/Comcast_telecom
   In [12]: 1 # checking column data types
            print(comcast_df.info())
           <class 'pandas.core.frame.DataFrame'>
RangeIndex: 2224 entries, 0 to 2223
           Data columns (total 11 columns):
           # Column
                                        Non-Null Count Dtype
            0 Ticket #
                                        2224 non-null object
            1 Customer Complaint
                                        2224 non-null
                                                      object
                                        2224 non-null datetime64[ns]
            2 Date
               Date_month_year
                                        2224 non-null object
               Time
                                        2224 non-null
                                                      object
               Received Via
                                        2224 non-null
                                                      object
               City
                                        2224 non-null
               State
                                        2224 non-null
            8 Zip code
                                        2224 non-null
                                                      int64
           10 Filing on Behalf of Someone 2224 non-null dtypes: datetime64[ns](1), int64(1), object(9)
           memory usage: 191.2+ KB
           None
```









Out[275]: Closed 76.753597 Open 23.246403

Name: status\_summary, dtype: float64