

Personal Task 2 Author- Sagar Bhoi

Create EDA project using Test Data file (Yoshops.com Sale Order file): Input Value= put various number input for generate Graph chart: Enter 1 to see the analysis of Reviews given by Customers Enter 2 to see the analysis of different payment methods used by the Customers Enter 3 to see the analysis of Top Consumer States of India Enter 4 to see the analysis of Top Consumer Cities of India Enter 5 to see the analysis of Top Selling Product Categories Enter 6 to see the analysis of Reviews for All Product Categories Enter 7 to see the analysis of Number of Orders Per Month Per Year Enter 8 to see the analysis of Reviews for Number of Orders Per Month Per Year Enter 9 to see the analysis of Number of Orders Across Parts of a Day Enter 10 to see the Full Report

```
In [1]: pip install plotly.express
```

```
Requirement already satisfied: plotly.express in e:\python\lib\site-packages (0.4.1)
Requirement already satisfied: plotly>=4.1.0 in e:\python\lib\site-packages (from plotly.express) (5.9.0)
Requirement already satisfied: scipy>=0.18 in e:\python\lib\site-packages (from plotly.express) (1.9.3)
Requirement already satisfied: numpy>=1.11 in e:\python\lib\site-packages (from plotly.express) (1.23.5)
Requirement already satisfied: patsy>=0.5 in e:\python\lib\site-packages (from plotly.express) (0.5.2)
Requirement already satisfied: statsmodels>=0.9.0 in e:\python\lib\site-packages (from plotly.express) (0.13.2)
Requirement already satisfied: pandas>=0.20.0 in e:\python\lib\site-packages (from plotly.express) (1.5.2)
Requirement already satisfied: python-dateutil>=2.8.1 in e:\python\lib\site-packages (from pandas>=0.20.0->plotly.express) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in e:\python\lib\site-packages (from pandas>=0.20.0->plotly.express) (2022.7)
Requirement already satisfied: six in e:\python\lib\site-packages (from patsy>=0.5->plotly.express) (1.16.0)
Requirement already satisfied: tenacity>=6.2.0 in e:\python\lib\site-packages (from plotly>=4.1.0->plotly.express) (8.0.1)
Requirement already satisfied: packaging>=21.3 in e:\python\lib\site-packages (from statsmodels>=0.9.0->plotly.express) (21.3)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in e:\python\lib\site-packages (from packaging>=21.3->statsmodels>=0.9.0->plotly.express) (3.0.9)
Note: you may need to restart the kernel to use updated packages.
```

```
In [2]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px

import warnings
warnings.filterwarnings('ignore')
```

```
In [3]: #import os
#os.chdir('E:\Data Science\Yoshops-Internship\Tasks\EDA-project')
data = pd.read_csv("orders_2016-2020_Dataset.csv")
data.head()
```

Out[3]:

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Payment Date and Time Stamp	Fulfillment Date and Time Stamp	Currency	Subtotal	Shipping Method	Shipping Cost	...	Payment Method	Tracking #	Special Instructions	LineItem Name
0	R929392577	09-11-2020 20:36:26 +0530	Unfulfilled	Unpaid	NaN	NaN	INR	₹ 799.00	Ships Free	₹ 0.00	...	NaN	NaN	NaN	Boat Rockerz 530 Bluetooth Headphone with Mic ...
1	R653462960	09-11-2020 20:18:26 +0530	Unfulfilled	Unpaid	NaN	NaN	INR	₹ 699.00	Ships Free	₹ 0.00	...	NaN	NaN	NaN	Samsung U Flex Wireless Bluetooth Flexible Hea... PL0
2	R226302759	09-11-2020 19:56:21 +0530	Unfulfilled	Unpaid	NaN	NaN	INR	₹ 799.00	Ships Free	₹ 0.00	...	NaN	NaN	NaN	Boat Rockerz 530 Bluetooth Headphone with Mic ...
3	R390235057	09-11-2020 19:37:40 +0530	Unfulfilled	Unpaid	NaN	NaN	INR	₹ 599.00	Ships Free	₹ 0.00	...	NaN	NaN	NaN	JBL Tempo On-Ear Headphone
4	R813855117	09-11-2020 18:35:47 +0530	Cancelled	Paid	NaN	NaN	INR	₹ 699.00	Ships Free	₹ 0.00	...	NaN	NaN	NaN	Mi Neckband Bluetooth Headset with Mic (Black) PL0

5 rows × 41 columns



```
In [4]: review = pd.read_csv("review_dataset.csv")
review.head()
```

Out[4]:	product_name	product_url	category	status	stars
0	Sony PlayStation PS2 Gaming Console 150 GB Har...	https://yoshops.com/products/sony-playstation-...	Toys & Games	Reviewd	5.0 star rating
1	Vmax HX 750 Quadcopter Drone (No Camera)	https://yoshops.com/products/hx-750-remote-con...	Toys & Games	Reviewd	5.0 star rating
2	Yoshops VR BOX Virtual Reality Glasses Headset...	https://yoshops.com/products/yoshops-vr-box-vi...	Toys & Games	Reviewd	5.0 star rating
3	Sony PlayStation PS3 Console Slim 320 GB (Black)	https://yoshops.com/products/sony-playstation-...	Toys & Games	Reviewd	4.9 star rating
4	Barbie Doll (pink)	https://yoshops.com/products/barbie-doll	Toys & Games	Reviewd	4.9 star rating

```
In [5]: #to display all values in o/p
pd.set_option('display.max_rows', None)
pd.set_option('display.max_columns', None)
```

```
In [6]: data.shape
```

```
Out[6]: (2297, 41)
```

```
In [7]: data.isnull().sum()
```

```

Out[7]: Order # 0
Order Date and Time Stamp 0
Fulfillment Status 0
Payment Status 0
Payment Date and Time Stamp 2057
Fulfillment Date and Time Stamp 2068
Currency 0
Subtotal 0
Shipping Method 0
Shipping Cost 0
Tax Method 2296
Taxes 0
Total 0
Coupon Code 2140
Coupon Code Name 2140
Discount 0
Billing Name 1967
Billing Country 1967
Billing Street Address 1967
Billing Street Address 2 2100
Billing City 1967
Billing State 1975
Billing Zip 1967
Shipping Name 0
Shipping Country 0
Shipping Street Address 18
Shipping Street Address 2 771
Shipping City 18
Shipping State 21
Shipping Zip 21
Gift Cards 2297
Payment Method 2057
Tracking # 2214
Special Instructions 2297
LineItem Name 0
LineItem SKU 89
LineItem Options 2128
LineItem Add-ons 2206
LineItem Qty 0
LineItem Sale Price 0
LineItem Type 0
dtype: int64

```

```

In [8]: data["Fulfillment Status"].value_counts()

```

```
Out[8]: Unfulfilled      1496
        Cancelled        571
        Fulfilled        229
        Awaiting Pickup    1
        Name: Fulfillment Status, dtype: int64
```

```
In [9]: data = data.drop(columns=data.loc[:,(data.isnull().sum() >= 1900) & (data.columns != "Payment Method")].columns)
        data.shape
```

```
Out[9]: (2297, 24)
```

```
In [10]: data.isnull().sum()
```

```
Out[10]: Order #                0
        Order Date and Time Stamp  0
        Fulfillment Status        0
        Payment Status            0
        Currency                  0
        Subtotal                  0
        Shipping Method           0
        Shipping Cost             0
        Taxes                     0
        Total                     0
        Discount                  0
        Shipping Name             0
        Shipping Country          0
        Shipping Street Address   18
        Shipping Street Address 2 771
        Shipping City            18
        Shipping State           21
        Shipping Zip             21
        Payment Method          2057
        LineItem Name            0
        LineItem SKU             89
        LineItem Qty             0
        LineItem Sale Price      0
        LineItem Type            0
        dtype: int64
```

```
In [11]: data[data["Shipping Street Address"].isnull()]
```

Out[11]:

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping Street Address	Shipping Street Address
84	R550313418	04-11-2020 20:18:00 +0530	Unfulfilled	Unpaid	INR	₹ 999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 999.00	₹ 0.00	Venkatesh Shetty	IND	NaN	NaN
308	R393872801	24-10-2020 13:22:27 +0530	Unfulfilled	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Anurag Nayak	IND	NaN	NaN
611	R250169838	10-10-2020 22:26:19 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Alaul Hoque	IND	NaN	NaN
638	R976796340	09-10-2020 13:25:16 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Shamsher bahadur Singh	IND	NaN	NaN
757	R386802191	01-10-2020 16:54:57 +0530	Unfulfilled	Unpaid	INR	₹ 4,497.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 4,497.00	₹ 0.00	Manish Rajpoot	IND	NaN	NaN
815	R522387584	26-09-2020 11:02:13 +0530	Unfulfilled	Unpaid	INR	₹ 399.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	Shivam Kumar	IND	NaN	NaN
840	R052827700	23-09-2020 07:26:37 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Sunil Verma	IND	NaN	NaN
899	R466333331	15-09-2020 23:38:24 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 2,999.00	₹ 0.00	K JACKSON	IND	NaN	NaN

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping Street Address	Shipping Street Address
991	R487547857	31-08-2020 21:43:22 +0530	Unfulfilled	Unpaid	INR	₹ 399.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	Nikhil Mandal	IND	NaN	NaN
1075	R957588740	14-08-2020 09:48:53 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 2,999.00	₹ 0.00	Bhagirath Pawar	IND	NaN	NaN
1125	R745884170	04-08-2020 17:14:35 +0530	Unfulfilled	Unpaid	INR	₹ 8,990.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 8,990.00	₹ 0.00	Ramakrishna Rao	IND	NaN	NaN
1234	R558719868	18-07-2020 14:01:47 +0530	Unfulfilled	Unpaid	INR	₹ 14,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 14,999.00	₹ 0.00	Sandeep Kumar	IND	NaN	NaN
1491	R507826473	10-05-2020 18:21:36 +0530	Unfulfilled	Unpaid	INR	₹ 4,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 4,999.00	₹ 0.00	Arun P	IND	NaN	NaN
1619	R139843923	09-03-2020 21:32:16 +0530	Unfulfilled	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Visagan Krishnan	IND	NaN	NaN
1685	R661333471	28-10-2019 19:34:52 +0530	Awaiting Pickup	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Pavithra E	IND	NaN	NaN
1733	R807200424	29-07-2019 17:18:01 +0530	Fulfilled	Paid	INR	₹ 230.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 230.00	₹ 0.00	Ranjit Kumar Rout	IND	NaN	NaN

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping Street Address	Shipping Street Address
1759	R103494301	12-06-2019 09:04:37 +0530	Cancelled	Unpaid	INR	₹ 1,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,999.00	₹ 0.00	Balaji Bajju	IND	NaN	NaN
1983	R888243142	17-08-2018 02:39:38 +0530	Cancelled	Unpaid	INR	₹ 1,399.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,399.00	₹ 0.00	Ptggd Plz	IND	NaN	NaN

In [12]: data["Shipping State"].value_counts()


```
Out[12]: IN-TN      287
          IN-MH      263
          IN-UP      225
          IN-KA      144
          IN-AN      138
          IN-AP      126
          IN-TG      122
          IN-WB      102
          IN-BR      100
          IN-MP       92
          IN-GJ       85
          IN-DL       84
          IN-RJ       79
          IN-HR       71
          IN-OR       57
          IN-KL       49
          IN-PB       48
          IN-CT       37
          IN-JH       36
          IN-AS       31
          IN-UT       19
          IN-JK       17
          IN-HP       12
          IN-CH        9
          IN-PY        9
          IN-GA        9
          IN-ML        4
          IN-TR        3
          IN-DN        3
          IN-MN        3
          IN-NL        2
          AL          2
          IN-MZ        2
          IN           1
          IN-AR        1
          NY           1
          IN-DD        1
          TX           1
          PE           1
          Name: Shipping State, dtype: int64
```

```
In [13]: data[data["Shipping State"] == "IN-AN"]
```

Out[13]:

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
1	R653462960	09-11-2020 20:18:26 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Lucky Koli	IND	
4	R813855117	09-11-2020 18:35:47 +0530	Cancelled	Paid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Munna mumar Munna	IND	Nps thak
34	R436780750	07-11-2020 15:30:02 +0530	Cancelled	Paid	INR	₹ 999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 999.00	₹ 0.00	Saheb Barik	IND	
42	R083615392	07-11-2020 08:41:45 +0530	Cancelled	Paid	INR	₹ 400.00	Ships Free	₹ 0.00	₹ 0.00	₹ 400.00	₹ 0.00	Amudala Anil	IND	
84	R550313418	04-11-2020 20:18:00 +0530	Unfulfilled	Unpaid	INR	₹ 999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 999.00	₹ 0.00	Venkatesh Shetty	IND	
89	R742161602	04-11-2020 17:28:59 +0530	Cancelled	Paid	INR	₹ 999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 999.00	₹ 0.00	ujjwal prajapati	IND	7 2r
153	R561209258	01-11-2020 14:08:13 +0530	Cancelled	Paid	INR	₹ 140.00	Ships Free	₹ 0.00	₹ 0.00	₹ 140.00	₹ 0.00	Pandi Rajan	IND	
155	R102352320	01-11-2020 14:00:15 +0530	Cancelled	Paid	INR	₹ 140.00	Ships Free	₹ 0.00	₹ 0.00	₹ 140.00	₹ 0.00	Pandi Rajan	IND	
171	R477125005	31-10-2020 19:58:49 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Smrutiranjana Sahoo	IND	

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
228	R393720042	28-10-2020 12:20:17 +0530	Unfulfilled	Unpaid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	vinay sharma	IND	
234	R317723982	28-10-2020 10:13:25 +0530	Unfulfilled	Unpaid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	Lakshay Rajpurohit Lucky	IND	Bandlarr
277	R390769729	26-10-2020 08:48:33 +0530	Unfulfilled	Unpaid	INR	₹ 399.00	Flat Rate	₹ 99.00	₹ 0.00	₹ 498.00	₹ 0.00	SANGRAM SAHOO	IND	K7/83, KA
292	R083387656	25-10-2020 12:00:18 +0530	Unfulfilled	Unpaid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	Sathish Kumar	IND	
294	R174302180	25-10-2020 09:45:34 +0530	Unfulfilled	Unpaid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	Shivam Verma	IND	Hitkar atta
308	R393872801	24-10-2020 13:22:27 +0530	Unfulfilled	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Anurag Nayak	IND	
310	R091554910	24-10-2020 09:30:53 +0530	Unfulfilled	Unpaid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	Anmol Chaudhary	IND	
321	R339149689	23-10-2020 14:24:54 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Simra Begum	IND	
334	R304652642	22-10-2020 20:08:55 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Rajashree Bhajantri	IND	Ran

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
356	R248437260	20-10-2020 20:58:55 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Habib Raj	IND	H no..5
363	R552366769	20-10-2020 16:36:30 +0530	Unfulfilled	Unpaid	INR	₹ 349.00	Ships Free	₹ 0.00	₹ 0.00	₹ 349.00	₹ 0.00	Imran Patel	IND	
402	R198901271	18-10-2020 10:25:09 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	Flat Rate	₹ 200.00	₹ 0.00	₹ 3,199.00	₹ 0.00	Boby Khan	IND	
444	R912119412	17-10-2020 14:15:53 +0530	Unfulfilled	Unpaid	INR	₹ 599.00	Ships Free	₹ 0.00	₹ 0.00	₹ 599.00	₹ 0.00	Manik Bishnoi	IND	Hi
469	R656619107	16-10-2020 18:47:10 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Fatima Khan	IND	02,An jé
473	R749090416	16-10-2020 17:01:41 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Ajadiya Jayesh	IND	
475	R905017688	16-10-2020 16:28:50 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Ajadiya Jayesh	IND	
476	R241428313	16-10-2020 16:22:11 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Ajadiya Jayesh	IND	
485	R592858429	16-10-2020 11:34:12 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Lavish Babbar	IND	Main bar near ha

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
501	R577757203	15-10-2020 19:11:14 +0530	Unfulfilled	Unpaid	INR	₹ 199.00	Ships Free	₹ 0.00	₹ 0.00	₹ 199.00	₹ 0.00	Ravish Kumar	IND	
502	R162808896	15-10-2020 18:10:37 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Ashok Kumar	IND	
531	R533621369	14-10-2020 15:24:04 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Arun Nayak	IND	Suc schoo
546	R171959845	13-10-2020 21:32:11 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Badal chavan	IND	T
603	R440121873	11-10-2020 15:08:30 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Pandey Telecom	IND	
608	R410875027	11-10-2020 11:03:57 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	Flat Rate	₹ 200.00	₹ 0.00	₹ 3,199.00	₹ 0.00	Abhishek Shukla	IND	
611	R250169838	10-10-2020 22:26:19 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Alaul Hoque	IND	
638	R976796340	09-10-2020 13:25:16 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Shamsher bahadur Singh	IND	
639	R133897442	09-10-2020 13:06:33 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Rochis Palavalasa	IND	Nethajina

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
661	R571410258	08-10-2020 00:12:37 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	Flat Rate	₹ 200.00	₹ 0.00	₹ 3,199.00	₹ 0.00	Rajat Chouhan	IND	
732	R050880610	03-10-2020 13:55:45 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Sonu Shaw	IND	
757	R386802191	01-10-2020 16:54:57 +0530	Unfulfilled	Unpaid	INR	₹ 4,497.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 4,497.00	₹ 0.00	Manish Rajpoot	IND	
810	R986918040	26-09-2020 13:58:50 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Suresh Ghorpade	IND	Sapuchan,
815	R522387584	26-09-2020 11:02:13 +0530	Unfulfilled	Unpaid	INR	₹ 399.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	Shivam Kumar	IND	
839	R908393245	23-09-2020 08:29:44 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 201.00	₹ 0.00	₹ 1,700.00	₹ 0.00	Daya Mishra	IND	
840	R052827700	23-09-2020 07:26:37 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Sunil Verma	IND	
877	R066646030	18-09-2020 23:35:47 +0530	Unfulfilled	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Kumaresh Kumaresh	IND	No.87 street,or
899	R466333331	15-09-2020 23:38:24 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 2,999.00	₹ 0.00	K JACKSON	IND	

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
957	R601705143	06-09-2020 22:15:13 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Sunny Sunny	IND	
969	R497947418	04-09-2020 16:50:45 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	Flat Rate	₹ 200.00	₹ 0.00	₹ 3,199.00	₹ 0.00	manoj bhuyan	IND	
983	R286083383	01-09-2020 17:48:16 +0530	Unfulfilled	Unpaid	INR	₹ 349.00	Ships Free	₹ 0.00	₹ 0.00	₹ 349.00	₹ 0.00	Netrapal Singh	IND	Sec Chowk
991	R487547857	31-08-2020 21:43:22 +0530	Unfulfilled	Unpaid	INR	₹ 399.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	Nikhil Mandal	IND	
1004	R018129882	29-08-2020 18:05:37 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Anmol RATHI	IND	H.
1014	R419859826	28-08-2020 10:19:44 +0530	Unfulfilled	Unpaid	INR	₹ 599.00	Ships Free	₹ 0.00	₹ 0.00	₹ 599.00	₹ 0.00	Harsur Ahir	IND	raj har
1045	R889421135	21-08-2020 22:50:06 +0530	Unfulfilled	Unpaid	INR	₹ 14,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 14,999.00	₹ 0.00	Wangchu Tamang	IND	
1047	R978344291	21-08-2020 17:15:16 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Rohitash Choudhary	IND	
1075	R957588740	14-08-2020 09:48:53 +0530	Unfulfilled	Unpaid	INR	₹ 2,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 2,999.00	₹ 0.00	Bhagirath Pawar	IND	

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
1125	R745884170	04-08-2020 17:14:35 +0530	Unfulfilled	Unpaid	INR	₹ 8,990.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 8,990.00	₹ 0.00	Ramakrishna Rao	IND	
1161	R280276388	27-07-2020 16:55:37 +0530	Unfulfilled	Unpaid	INR	₹ 14,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 14,999.00	₹ 0.00	Ankan Karmakar	IND	DTL St
1190	R654225782	24-07-2020 17:26:31 +0530	Unfulfilled	Unpaid	INR	₹ 2,299.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,299.00	₹ 0.00	Manju Naik	IND	Venka
1234	R558719868	18-07-2020 14:01:47 +0530	Unfulfilled	Unpaid	INR	₹ 14,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 14,999.00	₹ 0.00	Sandeep Kumar	IND	
1238	R461466115	18-07-2020 10:40:32 +0530	Unfulfilled	Unpaid	INR	₹ 399.00	Ships Free	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	Nameera Km	IND	Pa
1244	R800399695	16-07-2020 12:09:44 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Flat Rate	₹ 150.00	₹ 0.00	₹ 1,649.00	₹ 0.00	Rohit Bhatia	IND	
1298	R328822827	04-07-2020 13:57:03 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Khushwant Singh	IND	Gali no 9
1337	R058983403	23-06-2020 15:25:07 +0530	Unfulfilled	Unpaid	INR	₹ 1,499.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Rudra Singh	IND	Hanum Kai
1346	R589749992	22-06-2020 01:28:40 +0530	Unfulfilled	Unpaid	INR	₹ 6,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 6,999.00	₹ 0.00	Arun Rajesh	IND	

Order #		Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
1397	R800048288	10-06-2020 19:30:01 +0530	Unfulfilled	Unpaid	INR	₹ 140.00	Ships Free	₹ 0.00	₹ 0.00	₹ 140.00	₹ 0.00	Dayalan.R Dayalan.R	IND	s THARU
1403	R395895589	09-06-2020 21:29:42 +0530	Unfulfilled	Unpaid	INR	₹ 140.00	Ships Free	₹ 0.00	₹ 0.00	₹ 140.00	₹ 0.00	Sakthivel Sakthivel	IND	St 7
1413	R837364134	08-06-2020 02:22:49 +0530	Unfulfilled	Unpaid	INR	₹ 6,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 6,999.00	₹ 0.00	Vishal Bhasin	IND	By pass bi
1425	R205563178	04-06-2020 13:50:54 +0530	Unfulfilled	Unpaid	INR	₹ 6,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 6,999.00	₹ 0.00	Namoshi Zutshi	IND	
1437	R545797026	31-05-2020 11:12:45 +0530	Unfulfilled	Unpaid	INR	₹ 349.00	Ships Free	₹ 0.00	₹ 0.00	₹ 349.00	₹ 0.00	Priyanka Tanti	IND	
1491	R507826473	10-05-2020 18:21:36 +0530	Unfulfilled	Unpaid	INR	₹ 4,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 4,999.00	₹ 0.00	Arun P	IND	
1499	R088582750	05-05-2020 15:30:06 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Sona Das	IND	
1510	R788968925	01-05-2020 04:42:38 +0530	Unfulfilled	Unpaid	INR	₹ 6,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 6,999.00	₹ 0.00	Shazeb Khan	IND	
1619	R139843923	09-03-2020 21:32:16 +0530	Unfulfilled	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Visagan Krishnan	IND	

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
1622	R402373449	04-03-2020 19:19:42 +0530	Cancelled	Paid	INR	₹ 1,499.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Raksh Medhi	IND	
1630	R784681425	23-02-2020 06:13:19 +0530	Cancelled	Paid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Deepak Gana	IND	2/
1644	R544536843	06-02-2020 23:24:27 +0530	Fulfilled	Paid	INR	₹ 1,299.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,099.00	₹ -200.00	Kashif Ansari	IND	I
1685	R661333471	28-10-2019 19:34:52 +0530	Awaiting Pickup	Unpaid	INR	₹ 299.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 299.00	₹ 0.00	Pavithra E	IND	
1689	R089491540	23-10-2019 18:18:49 +0530	Cancelled	Unpaid	INR	₹ 400.00	Ships Free	₹ 0.00	₹ 0.00	₹ 400.00	₹ 0.00	Sudeep Cm	IND	Sha
1722	R731084527	25-08-2019 15:16:25 +0530	Cancelled	Unpaid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	Prashant Dusane	IND	K. K. Na Ghatlodia
1733	R807200424	29-07-2019 17:18:01 +0530	Fulfilled	Paid	INR	₹ 230.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 230.00	₹ 0.00	Ranjit Kumar Rout	IND	
1736	R110315595	27-07-2019 06:17:54 +0530	Cancelled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Rejul Islam	IND	Ssk
1758	R090898776	12-06-2019 10:24:33 +0530	Cancelled	Unpaid	INR	₹ 1,499.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	dheena arjun	IND	thirune

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
1759	R103494301	12-06-2019 09:04:37 +0530	Cancelled	Unpaid	INR	₹ 1,999.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,999.00	₹ 0.00	Balaji Bajju	IND	
1781	R816647742	07-05-2019 17:23:51 +0530	Cancelled	Unpaid	INR	₹ 500.00	Standard Shipments 3-5 days	₹ 0.00	₹ 0.00	₹ 500.00	₹ 0.00	s l	IND	
1799	R298310253	18-04-2019 13:52:02 +0530	Cancelled	Unpaid	INR	₹ 1,399.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,399.00	₹ 0.00	hgjh chvhj	IND	
1830	R789781678	25-02-2019 13:29:29 +0530	Cancelled	Unpaid	INR	₹ 1,499.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Kaif Khan	IND	Prathma Rustam f
1831	R086876994	25-02-2019 13:17:00 +0530	Cancelled	Unpaid	INR	₹ 1,499.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,499.00	₹ 0.00	Kaif Khan	IND	
1841	R809829918	03-02-2019 15:26:49 +0530	Cancelled	Unpaid	INR	₹ 1,399.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,399.00	₹ 0.00	Musthafa Manasir	IND	7\6ti
1895	R830190273	01-11-2018 20:34:04 +0530	Cancelled	Unpaid	INR	₹ 1,999.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,999.00	₹ 0.00	Rupam Bailing	IND	
1919	R106402808	10-10-2018 06:24:27 +0530	Cancelled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Deepak Kumar	IND	
1920	R167112486	07-10-2018 07:32:37 +0530	Fulfilled	Paid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Jagsir Singh	IND	

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
1922	R735971499	04-10-2018 16:56:56 +0530	Fulfilled	Paid	INR	₹ 199.00	Flat Rate	₹ 100.00	₹ 0.00	₹ 299.00	₹ 0.00	Vijayabhaskar.s.s Bhaskar	IND	
1925	R859367222	01-10-2018 12:21:57 +0530	Fulfilled	Paid	INR	₹ 399.00	Ships Free	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	Mahendra KUMAR	IND	qu
1944	R624059351	10-09-2018 19:58:41 +0530	Cancelled	Unpaid	INR	₹ 199.00	Ships Free	₹ 0.00	₹ 0.00	₹ 199.00	₹ 0.00	prabeen patra	IND	Old No 34, Sou
1983	R888243142	17-08-2018 02:39:38 +0530	Cancelled	Unpaid	INR	₹ 1,399.00	In-Person Pickup	₹ 0.00	₹ 0.00	₹ 1,399.00	₹ 0.00	Ptggd Plz	IND	
2031	R778144943	05-06-2018 19:14:12 +0530	Fulfilled	Paid	INR	₹ 899.00	Ships Free	₹ 0.00	₹ 0.00	₹ 899.00	₹ 0.00	Priyan Priyan	IND	53 Salai,roya
2056	R446351926	20-04-2018 18:07:25 +0530	Cancelled	Unpaid	INR	₹ 749.00	Ships Free	₹ 0.00	₹ 0.00	₹ 749.00	₹ 0.00	Younus Younus	IND	Shamrr gudc
2110	R004105813	18-01-2018 22:39:18 +0530	Cancelled	Unpaid	INR	₹ 599.00	Ships Free	₹ 0.00	₹ 0.00	₹ 599.00	₹ 0.00	Kunal Gangurde	IND	Room no Kada
2141	R368001561	23-10-2017 12:13:35 +0530	Fulfilled	Paid	INR	₹ 300.00	Ships Free	₹ 0.00	₹ 0.00	₹ 300.00	₹ 0.00	santosh gupta	IND	G4, ITI
2169	R943561656	19-05-2017 16:19:56 +0530	Cancelled	Unpaid	INR	₹ 300.00	Ships Free	₹ 0.00	₹ 0.00	₹ 300.00	₹ 0.00	pruthviraj dodiya	IND	kum ku c

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
2172	R246512396	08-04-2017 16:46:43 +0530	Cancelled	Unpaid	INR	₹ 42,799.00	Flat Rate	₹ 5,000.00	₹ 0.00	₹ 47,799.00	₹ 0.00	sdfsdf sdfrvg	IND	
2173	R246512396	08-04-2017 16:46:43 +0530	Cancelled	Unpaid	INR	₹ 42,799.00	Flat Rate	₹ 5,000.00	₹ 0.00	₹ 47,799.00	₹ 0.00	sdfsdf sdfrvg	IND	
2174	R246512396	08-04-2017 16:46:43 +0530	Cancelled	Unpaid	INR	₹ 42,799.00	Flat Rate	₹ 5,000.00	₹ 0.00	₹ 47,799.00	₹ 0.00	sdfsdf sdfrvg	IND	
2175	R246512396	08-04-2017 16:46:43 +0530	Cancelled	Unpaid	INR	₹ 42,799.00	Flat Rate	₹ 5,000.00	₹ 0.00	₹ 47,799.00	₹ 0.00	sdfsdf sdfrvg	IND	
2176	R449072814	08-04-2017 16:46:06 +0530	Cancelled	Unpaid	INR	₹ 150.00	Flat Rate	₹ 50.00	₹ 0.00	₹ 200.00	₹ 0.00	raaja lingam	IND	
2177	R056000508	08-04-2017 16:44:44 +0530	Cancelled	Unpaid	INR	₹ 149.00	Flat Rate	₹ 50.00	₹ 0.00	₹ 199.00	₹ 0.00	raaja lingam	IND	
2179	R467074132	08-04-2017 16:12:54 +0530	Cancelled	Unpaid	INR	₹ 2,700.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,700.00	₹ 0.00	dfsgfg ghgh	IND	
2180	R481650696	08-04-2017 16:10:48 +0530	Cancelled	Unpaid	INR	₹ 1,000.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,000.00	₹ 0.00	fdgdfgdfg fdgdf	IND	
2185	R429418837	08-04-2017 14:43:14 +0530	Cancelled	Unpaid	INR	₹ 100.00	Ships Free	₹ 0.00	₹ 0.00	₹ 100.00	₹ 0.00	sdftdstw ddrter	IND	

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
2186	R573576951	08-04-2017 14:26:17 +0530	Cancelled	Unpaid	INR	₹ 6,750.00	Ships Free	₹ 0.00	₹ 0.00	₹ 6,750.00	₹ 0.00	sdasd sadasd	IND	
2190	R036074784	08-04-2017 14:21:12 +0530	Cancelled	Unpaid	INR	₹ 400.00	Ships Free	₹ 0.00	₹ 0.00	₹ 400.00	₹ 0.00	as 1212	IND	
2191	R238262431	07-04-2017 16:16:48 +0530	Cancelled	Unpaid	INR	₹ 399.00	Ships Free	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	h DFSD	IND	
2192	R774316862	07-04-2017 16:12:47 +0530	Cancelled	Unpaid	INR	₹ 6,000.00	Cash on Delivery	₹ 0.00	₹ 0.00	₹ 6,000.00	₹ 0.00	D121 12	IND	
2194	R515916734	07-04-2017 15:32:15 +0530	Cancelled	Unpaid	INR	₹ 2,700.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,700.00	₹ 0.00	idsfhgua asudg	IND	
2195	R141263882	07-04-2017 14:28:42 +0530	Cancelled	Unpaid	INR	₹ 1,995.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,995.00	₹ 0.00	sdfsdrtg dfs	IND	
2196	R839321129	07-04-2017 14:18:22 +0530	Cancelled	Unpaid	INR	₹ 149.00	Flat Rate	₹ 50.00	₹ 0.00	₹ 199.00	₹ 0.00	s s	IND	
2197	R555383605	07-04-2017 14:11:01 +0530	Cancelled	Unpaid	INR	₹ 399.00	Ships Free	₹ 0.00	₹ 0.00	₹ 399.00	₹ 0.00	dfgsdrt sfgg	IND	
2198	R207278505	07-04-2017 13:23:09 +0530	Cancelled	Unpaid	INR	₹ 500.00	Flat Rate	₹ 150.00	₹ 0.00	₹ 650.00	₹ 0.00	21323 2132	IND	

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
2199	R207278505	07-04-2017 13:23:09 +0530	Cancelled	Unpaid	INR	₹ 500.00	Flat Rate	₹ 150.00	₹ 0.00	₹ 650.00	₹ 0.00	21323 2132	IND	
2200	R347266199	07-04-2017 11:40:53 +0530	Cancelled	Unpaid	INR	₹ 9,500.00	Ships Free	₹ 0.00	₹ 0.00	₹ 9,500.00	₹ 0.00	asdf ghjk	IND	
2201	R570486111	07-04-2017 11:22:36 +0530	Cancelled	Unpaid	INR	₹ 600.00	Flat Rate	₹ 100.00	₹ 0.00	₹ 700.00	₹ 0.00	asdf ererwer	IND	
2202	R570486111	07-04-2017 11:22:36 +0530	Cancelled	Unpaid	INR	₹ 600.00	Flat Rate	₹ 100.00	₹ 0.00	₹ 700.00	₹ 0.00	asdf ererwer	IND	
2236	R508487063	07-12-2016 17:10:30 +0530	Cancelled	Paid	INR	₹ 250.00	Ships Free	₹ 0.00	₹ 0.00	₹ 250.00	₹ 0.00	Pooja Rai	IND	D-92, S
2239	R613991296	02-12-2016 22:32:42 +0530	Cancelled	Unpaid	INR	₹ 500.00	Ships Free	₹ 0.00	₹ 0.00	₹ 500.00	₹ 0.00	p k	IND	
2255	R730949240	25-10-2016 19:22:47 +0530	Fulfilled	Paid	INR	₹ 150.00	Ships Free	₹ 0.00	₹ 0.00	₹ 150.00	₹ 0.00	sdsadsadsa sads	IND	
2258	R157253363	06-10-2016 18:37:24 +0530	Cancelled	Unpaid	INR	₹ 2,500.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,500.00	₹ 0.00	tq test	IND	
2259	R121638056	06-10-2016 18:36:04 +0530	Cancelled	Unpaid	INR	₹ 9,49,050.00	Ships Free	₹ 0.00	₹ 0.00	₹ 9,49,050.00	₹ 0.00	test test	IND	

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
2260	R121638056	06-10-2016 18:36:04 +0530	Cancelled	Unpaid	INR	₹ 9,49,050.00	Ships Free	₹ 0.00	₹ 0.00	₹ 9,49,050.00	₹ 0.00	test test	IND	
2261	R608716363	06-10-2016 18:16:16 +0530	Cancelled	Unpaid	INR	₹ 14,000.00	Ships Free	₹ 0.00	₹ 0.00	₹ 14,000.00	₹ 0.00	fggffgfgg fggfggfgf	IND	
2262	R877373840	06-10-2016 18:08:08 +0530	Cancelled	Unpaid	INR	₹ 45,000.00	Free Shipping	₹ 0.00	₹ 0.00	₹ 45,000.00	₹ 0.00	iBall Excelance CompBook 11.6-inch Laptop iBal...	IND	Comp
2263	R956648092	06-10-2016 18:04:39 +0530	Cancelled	Unpaid	INR	₹ 9,000.00	Free Shipping	₹ 0.00	₹ 0.00	₹ 9,000.00	₹ 0.00	fggffgfgg fggfggfgf	IND	
2266	R913302136	06-10-2016 17:56:51 +0530	Cancelled	Unpaid	INR	₹ 9,000.00	Free Shipping	₹ 0.00	₹ 0.00	₹ 9,000.00	₹ 0.00	fggffgfgg fggfggfgf	IND	
2279	R378835168	06-10-2016 14:45:39 +0530	Cancelled	Unpaid	INR	₹ 2,700.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,700.00	₹ 0.00	john smith	IND	
2281	R284777685	06-10-2016 14:37:52 +0530	Cancelled	Unpaid	INR	₹ 50.00	Ships Free	₹ 0.00	₹ 0.00	₹ 50.00	₹ 0.00	!@ #%^&*() !@#\$\$%^ &...	IND	
2282	R323497934	06-10-2016 14:36:02 +0530	Cancelled	Unpaid	INR	₹ 1,300.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,300.00	₹ 0.00	john smith	IND	
2283	R323497934	06-10-2016	Cancelled	Unpaid	INR	₹ 1,300.00	Ships Free	₹ 0.00	₹ 0.00	₹ 1,300.00	₹ 0.00	john smith	IND	

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping
		14:36:02 +0530												
2292	R243395005	05-10-2016 04:17:45 +0530	Cancelled	Unpaid	INR	₹ 50.00	Ships Free	₹ 0.00	₹ 0.00	₹ 50.00	₹ 0.00	Uuu Ugagg	IND	
2295	R192037084	28-09-2016 18:59:22 +0530	Cancelled	Unpaid	INR	₹ 2,000.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,000.00	₹ 0.00	prabeen patra	IND	
2296	R414254148	28-09-2016 15:37:32 +0530	Fulfilled	Paid	INR	₹ 2,000.00	Ships Free	₹ 0.00	₹ 0.00	₹ 2,000.00	₹ 0.00	prabeen patra	IND	

```
In [14]: data["Shipping State"] = data["Shipping State"].fillna('Data Not Available')
data["Shipping City"] = data["Shipping City"].fillna('Data Not Available')
data["Shipping Zip"] = data["Shipping Zip"].fillna('Data Not Available')
data["LineItem SKU"] = data["LineItem SKU"].fillna('Data Not Available')
data["Shipping Street Address"] = data["Shipping Street Address"].fillna('Data Not Available')
data["Shipping Street Address 2"] = data["Shipping Street Address 2"].fillna('Data Not Available')
data["Payment Method"] = data["Payment Method"].fillna('Data Not Available')
```

```
In [15]: data.isnull().sum()
```

```
Out[15]: Order # 0
Order Date and Time Stamp 0
Fulfillment Status 0
Payment Status 0
Currency 0
Subtotal 0
Shipping Method 0
Shipping Cost 0
Taxes 0
Total 0
Discount 0
Shipping Name 0
Shipping Country 0
Shipping Street Address 0
Shipping Street Address 2 0
Shipping City 0
Shipping State 0
Shipping Zip 0
Payment Method 0
LineItem Name 0
LineItem SKU 0
LineItem Qty 0
LineItem Sale Price 0
LineItem Type 0
dtype: int64
```

```
In [16]: review.isnull().sum()
```

```
Out[16]: product_name 0
product_url 0
category 0
status 1255
stars 1255
dtype: int64
```

```
In [17]: review["status"] = review["status"].fillna('Not Reviewed')
review["stars"] = review["stars"].fillna('0.0')
review["stars"] = review["stars"].str.replace(" star rating", "")
```

```
In [18]: review["stars"] = review["stars"].astype("float64")
```

```
In [19]: data["Payment Method"].value_counts()
```

Out[19]: Data Not Available	2057
Offline Payment ₹1,499.00	18
Offline Payment ₹1,999.00	10
Offline Payment ₹799.00	10
Offline Payment ₹300.00	9
Offline Payment ₹1,399.00	8
Offline Payment ₹38,519.00	7
Offline Payment ₹1,199.00	7
Offline Payment ₹999.00	7
Offline Payment ₹35,774.00	6
Offline Payment ₹299.00	5
Offline Payment ₹2,199.00	5
CCAvenue ₹1,299.00	5
CCAvenue ₹1,399.00	5
Offline Payment ₹899.00	4
Offline Payment ₹5,999.00	4
Offline Payment ₹46,166.00	4
Offline Payment ₹349.00	4
Offline Payment ₹400.00	4
CCAvenue ₹1,596.00	4
CCAvenue ₹1,499.00	4
Offline Payment ₹37,972.00	3
Offline Payment ₹43,168.00	3
CCAvenue ₹749.00	3
CCAvenue ₹799.00	3
Offline Payment ₹200.00	3
Offline Payment ₹250.00	3
Offline Payment ₹369.00	3
Offline Payment ₹22,064.67	3
CCAvenue ₹800.00	3
Offline Payment ₹3,298.00	2
Offline Payment ₹269.00	2
Offline Payment ₹2,798.00	2
Offline Payment ₹35,976.00	2
Offline Payment ₹19,576.00	2
Offline Payment ₹2,099.00	2
CCAvenue ₹1,700.00	2
Offline Payment ₹10,198.00	2
Offline Payment ₹22,980.00	2
CCAvenue ₹269.00	2
Offline Payment ₹1,099.00	2
Offline Payment ₹44,970.00	2
CCAvenue ₹300.00	2
Offline Payment ₹199.00	2
Offline Payment ₹849.00	2
Offline Payment ₹499.00	2

CCAvenue ₹1,799.00	1
Offline Payment ₹15,597.00	1
Offline Payment ₹100.00	1
CCAvenue ₹150.00	1
Offline Payment ₹22,485.00	1
CCAvenue ₹20,238.75	1
Offline Payment ₹500.00	1
CCAvenue ₹299.00	1
Offline Payment ₹12,500.00	1
CCAvenue ₹100.00	1
Offline Payment ₹10,398.00	1
Offline Payment ₹1,166.10	1
Offline Payment ₹522.50	1
Offline Payment ₹1,095.00	1
Offline Payment ₹4,599.00	1
Offline Payment ₹249.00	1
Offline Payment ₹150.00	1
Offline Payment ₹1,050.00	1
Offline Payment ₹3,399.00	1
Offline Payment ₹340.00	1
Offline Payment ₹10,500.00	1
Offline Payment ₹5,196.00	1
Offline Payment ₹22,995.00	1
Offline Payment ₹1,699.00	1
CCAvenue ₹1,599.00	1
CCAvenue ₹6,999.00	1
Offline Payment ₹549.00	1
Offline Payment ₹1,099.00;Offline Payment -₹1,099.00	1
CCAvenue ₹1,099.00	1
Offline Payment ₹259.00	1
Offline Payment ₹5,097.00	1
Offline Payment ₹230.00	1
Offline Payment ₹4,369.05	1
Offline Payment ₹1,399.00;Offline Payment -₹1,399.00	1
Offline Payment ₹699.00;Offline Payment -₹699.00	1
CCAvenue ₹2,099.00	1
Offline Payment ₹800.00	1
Offline Payment ₹18,995.00	1
CCAvenue ₹2,199.00	1
CCAvenue ₹1,499.00;Offline Payment -₹1,499.00	1
Offline Payment ₹449.00	1
CCAvenue ₹140.00	1
Offline Payment ₹5,399.00	1
Offline Payment ₹399.00	1
Offline Payment ₹17,578.00	1
Offline Payment ₹19,900.00	1

Offline Payment ₹599.00	1
Offline Payment ₹19,176.00	1
Offline Payment ₹9,950.00	1
Offline Payment ₹13,990.00	1
Offline Payment ₹2,000.00	1
Name: Payment Method, dtype: int64	

```
In [20]: def payment(x):
        payData = x.split('₹')
        if (len(payData) !=1):
            return payData[1]
        else:
            return 0
```

```
def paymentMethod(x):
    payData = x.split('₹')
    return payData[0]
```

```
In [21]: data["Payment"] = data["Payment Method"].apply(payment)
        data["Payment Method"] = data["Payment Method"].apply(paymentMethod)
```

```
In [22]: data["Payment"] = data["Payment"].str.replace(';Offline Payment -','')
```

```
In [23]: data.isnull().sum()
```

```
Out[23]: Order # 0
Order Date and Time Stamp 0
Fulfillment Status 0
Payment Status 0
Currency 0
Subtotal 0
Shipping Method 0
Shipping Cost 0
Taxes 0
Total 0
Discount 0
Shipping Name 0
Shipping Country 0
Shipping Street Address 0
Shipping Street Address 2 0
Shipping City 0
Shipping State 0
Shipping Zip 0
Payment Method 0
LineItem Name 0
LineItem SKU 0
LineItem Qty 0
LineItem Sale Price 0
LineItem Type 0
Payment 2057
dtype: int64
```

```
In [24]: data["Payment"].value_counts()
```

```
Out[24]:
```

1,499.00	23
1,399.00	14
799.00	13
300.00	11
1,999.00	10
1,199.00	7
999.00	7
38,519.00	7
35,774.00	6
299.00	6
2,199.00	6
1,299.00	5
269.00	4
899.00	4
1,596.00	4
400.00	4
349.00	4
1,099.00	4
46,166.00	4
800.00	4
5,999.00	4
369.00	3
43,168.00	3
200.00	3
37,972.00	3
2,099.00	3
749.00	3
250.00	3
22,064.67	3
2,798.00	2
19,576.00	2
1,700.00	2
10,198.00	2
22,980.00	2
3,298.00	2
499.00	2
35,976.00	2
100.00	2
150.00	2
44,970.00	2
199.00	2
849.00	2
22,485.00	1
500.00	1
12,500.00	1
20,238.75	1

1,799.00	1
1,166.10	1
10,398.00	1
1,050.00	1
522.50	1
1,095.00	1
4,599.00	1
249.00	1
10,500.00	1
3,399.00	1
15,597.00	1
140.00	1
340.00	1
449.00	1
1,599.00	1
6,999.00	1
549.00	1
259.00	1
5,097.00	1
230.00	1
4,369.05	1
699.00	1
1,699.00	1
5,196.00	1
22,995.00	1
5,399.00	1
399.00	1
17,578.00	1
19,900.00	1
599.00	1
19,176.00	1
9,950.00	1
13,990.00	1
18,995.00	1
2,000.00	1

Name: Payment, dtype: int64

```
In [25]: data["Payment"] =data["Payment"].fillna(0.00)
```

```
In [26]: data["Payment Method"].unique()
```

```
Out[26]: array(['Data Not Available', 'CCAvenue ', 'Offline Payment '],
              dtype=object)
```

```
In [27]: def enter2():
          plt.figure(figsize = [9,7])
```



```
mylables = ['Data Not Available', 'Offline Payment', 'CCAvenue']  
plt.pie(data["Payment Method"].value_counts(), startangle=90, labels = mylables, autopct='%1.0f%%')  
plt.title('Payment Pathods')  
plt.legend()  
plt.savefig("PaymentMethod_report.pdf", format="pdf", bbox_inches="tight")  
plt.show()
```

```
In [28]: data.head()
```

Out[28]:

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping Street Address	Shipping Street Address 2
0	R929392577	09-11-2020 20:36:26 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Neetu Yadav	IND	Sec-86 nawada fatehpur, postoffice-Sikanderpur...	Data Not Available
1	R653462960	09-11-2020 20:18:26 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Lucky Koli	IND	Nashik	Nashik M
2	R226302759	09-11-2020 19:56:21 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Raghu A	IND	Madhuranagar 2nd stage hostel	Rbw apartment
3	R390235057	09-11-2020 19:37:40 +0530	Unfulfilled	Unpaid	INR	₹ 599.00	Ships Free	₹ 0.00	₹ 0.00	₹ 599.00	₹ 0.00	Hemant Vaishnav	IND	Civil line near lic office	Data Not Available
4	R813855117	09-11-2020 18:35:47 +0530	Cancelled	Paid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Munna mumar Munna	IND	Nps thakur sthan Rajgir	Data Not Available

In [29]: data["Shipping State"].value_counts()

```
Out[29]: IN-TN      287
          IN-MH      263
          IN-UP      225
          IN-KA      144
          IN-AN      138
          IN-AP      126
          IN-TG      122
          IN-WB      102
          IN-BR      100
          IN-MP       92
          IN-GJ       85
          IN-DL       84
          IN-RJ       79
          IN-HR       71
          IN-OR       57
          IN-KL       49
          IN-PB       48
          IN-CT       37
          IN-JH       36
          IN-AS       31
Data Not Available  21
          IN-UT       19
          IN-JK       17
          IN-HP       12
          IN-CH        9
          IN-PY        9
          IN-GA        9
          IN-ML        4
          IN-MN        3
          IN-DN        3
          IN-TR        3
          IN-NL        2
          AL           2
          IN-MZ        2
          IN           1
          IN-AR        1
          NY           1
          IN-DD        1
          TX           1
          PE           1
Name: Shipping State, dtype: int64
```

```
In [30]: def enter3():
          plt.figure(figsize=(15,15))
          data['Shipping State'].value_counts().plot.bar()
          plt.title('Popular State')
```

```
plt.xlabel('State')
plt.ylabel('Count')
plt.savefig("PopularState_report.pdf", format="pdf", bbox_inches="tight")
plt.show()

def enter4():
    plt.figure(figsize=(15,250))
    data['Shipping City'].value_counts().plot.barh()
    plt.title('Popular City')
    plt.xlabel('City')
    plt.ylabel('Count')
    plt.savefig("PopularCity_report.pdf", format="pdf", bbox_inches="tight")
    plt.show()
```

```
In [31]: data['Shipping City'].value_counts()
```

```

Out[31]: Chennai      81
         Bangalore    54
         Hyderabad    50
         Mumbai       44
         Varanasi     41
         Pune         29
         chennai      29
         Gorakhpur    22
         Delhi        21
         Kolkata      21
         Ahmedabad    20
         Patna        18
         Data Not Available 18
         New Delhi    18
         Coimbatore   16
         CHENNAI      16
         Lucknow      12
         Noida        12
         Faridabad    11
         New delhi    11
         Jaipur       10
         Nizamabad    10
         Surat        10
         Salem       10
         Gurgaon      10
         Visakhapatnam 10
         Bhopal       9
         Ranchi       9
         bangalore    8
         Indore       8
         Kanpur       8
         Nagpur       8
         Tumkur       7
         delhi        7
         GAYA         7
         HYDERABAD    7
         Bhubaneswar  7
         Guwahati     7
         Ludhiana     7
         mumbai       7
         Vijayawada   7
         Bengaluru    6
         test         6
         Muzaffarpur  6
         Guntur       6
         Ghaziabad    6

```

Vellore	6
Chandigarh	6
Hisar	6
Bikaner	6
Agra	6
Madurai	6
Tirunelveli	6
Howrah	6
Nanded	5
Bhavnagar	5
Adilabad	5
Kalyan	5
Vadodara	5
Tirupur	5
Vidisha	5
Kanchipuram	5
Warangal	5
Bilaspur	5
Samastipur	5
Juncos	5
Thane	5
Nellore	5
Ahmednagar	4
PUNE	4
BENGALURU	4
Dehradun	4
Bhilai	4
Nashik	4
Kolhapur	4
rgtvrg	4
Pondicherry	4
Raipur	4
Budwa	4
Aurangabad	4
Moradabad	4
Jammu	4
Chittoor	4
Trichy	4
Tiruppur	4
Dombivli	4
Palwal	4
SURENDRANAGAR	4
Banglore	4
Allahabad	4
Amritsar	4
Udaipur	4

Siliguri	4
TAMILNADU	4
Vishakapatnam	4
new delhi	4
Mysore	4
kolkata	4
Navi Mumbai	4
BANGALORE	4
Srinagar	4
dwwwwww	4
Madhubani	4
Haldwani	3
Bijapur	3
Burdwan	3
Sultanpur	3
MUGHALSARAI, CHANDAULI	3
Ujjain	3
Rohtak	3
ludhiana	3
Kannur	3
Patiala	3
Modinagar	3
Raichur	3
Hamirpur	3
SURAT	3
Chotila	3
Manendragarh	3
Hooghly	3
Jodhpur	3
Mandideep	3
Dhar	3
Angul	3
Navi Mumbai Thane rabadi	3
Azamgarh	3
Anantapur	3
ahmedabad	3
Pilibhit	3
KOLKATA	3
Bhandara	3
Thiruvallur	3
Gondia	3
THIRUVALLA	3
VIRAR east	3
VISAKHAPATNAM	3
Sri Ganganagar	3
Bareilly	3

Sainthia	3
Jhansi	3
Dhanbad	3
AMBALA	3
Amravati	3
Erode	3
Ramgarh	3
Hoshangabad	3
Madhya pradesh, pachore	3
Shillong	3
Ghatal	3
Gurugram	3
JAIPUR	3
sdas	3
Kozhikode	3
Hazaribagh	3
Farrukhabad	3
Kurnool	3
FARIDABAD	3
Bihiya	3
Dibrugarh	3
Asansol	3
Chakan	3
Kishanganj	3
bhubaneswar	3
Latur	3
Vadodra	2
Uluberia	2
Bihar	2
Sujangarh	2
Bokakhat	2
Punjab	2
Hydrabad	2
Greater Noida	2
India	2
Utter pardesh	2
Nandurbar	2
ieeja	2
Pithampur	2
Sivasagar	2
Calicut	2
Kartarpur	2
Bidar	2
Siwan	2
Imphal	2
Baripada	2

Mirzapur	2
Nagaon	2
Tinsukia	2
PEDDAPALLI, TELANGANA	2
Panvel	2
Hosur	2
Meerut	2
Nanded Waghala	2
Neemuch	2
Haridwar	2
Bettiah	2
Kovvur	2
AJMER	2
jaipur	2
S.rayavaram	2
Batamaloo	2
aligarh	2
cuttack	2
Khamgaon	2
Ballia	2
Sitapur	2
Naraura	2
Hassan	2
Bhagalpur	2
Guna	2
Palghar	2
Manglore	2
Ahemdabad	2
Jorhat	2
Rewari	2
Barmer	2
jhinkpani	2
Prayraj	2
MADHEPURA	2
Agartala	2
salem	2
Maharashtra	2
COIMBATORE	2
Kadapa	2
Thiruvananthapuram	2
NEW DELHI	2
Dabba	2
Sirkali	2
gurgaon	2
Gobi	2
Japla	2

Saidpur	2
Alappuzha	2
Baddi	2
Hingoli	2
LUDHIANA	2
Kunigal	2
Palakkad	2
Dewas	2
MADURAI	2
Rewa	2
Kharghar	2
Mangalore	2
Navsari	2
Deoghar	2
Narayanpet	2
Sidhi	2
Berhampur	2
KISHANGANJ	2
Jamshedpur	2
Chengannur.	2
shihor	2
DELHI	2
Kolidam	2
Chittorgarh	2
DEHRADUN	2
Rajampet	2
Hubli	2
Balaghat	2
Darbhangra	2
Pratapgarh	2
Gaya	2
Dharmavaram	2
South mumbai	2
Ongole	2
VIJAYAWADA	2
Parbhani	2
Pusad	2
diu	2
Malappuram	2
Gajuwaka	2
Malda	2
Titwala	2
KURNOOL	2
Rajahmundry	2
Bijwasan new delhi	2
Bobbili	2

Kota	2
Yamakanmardi	2
khetri nagar, distt - jhunjhunu	2
Belapur	2
Ernakulam	2
madurai	2
Shahdol	2
gfhgfhjj	2
Sangareddy	2
Jhargram	2
fwere	2
Bhilwara	2
Jetpur	2
Duddekunta	2
Saharanpur	2
Telangana	2
bathinda	2
Miryalaguda	2
MUMBAI	2
GHAZIABAD	2
chandigarh	2
Eluru	2
vellore	2
Karatagi	2
Karad	2
Jamui	2
Beohari	2
pune	2
sads	2
Puducherry	2
Tirupati	2
Ambikapur	2
Mohali	2
sds	2
Malegaon	2
Jabalpur	2
Rudrapur	2
Thiruvannamalai	2
coimbatore	2
Balasore	2
INDORE	2
Karaikal	2
Pathankot	2
kotputli	2
Panchkula	2
Osmanabad	1

Manesar, Gurugram	1
Manesar	1
NOIDA	1
peshawar	1
Uruli Kanchan	1
Hydarabad	1
Chennai-600113	1
Shriwardhan	1
Sadyipur	1
\$\$^&	1
YAMUNA NAGAR	1
aaaaaaaaaaaaaaaaaaaaa	1
Kadi	1
QIHDZF	1
budaun	1
Mehmedabad	1
;lkjhgf	1
jind	1
Salaya	1
gfgffg	1
Belagavi	1
Bokaro	1
Udumalpet	1
Duttapukur	1
Udhampur	1
Bharwa Sumerpur	1
jamalpur	1
Motihari	1
Alwar	1
Banda	1
aland	1
bengalore	1
KAMPLI	1
rterter	1
dsfgdfyt	1
1231	1
148/A Sadiypur kasine tol allhabada	1
Odissa	1
Chenai	1
Odomi	1
Gjj	1
Kochi	1
fdgdf	1
Ranga reddy	1
Kuchch	1
fghghgh	1

qwq	1
Gccch	1
Jalgaon	1
BERHAMPUR	1
gfhhcgh	1
Jharpokharia	1
MORADABAD	1
Sangli	1
Basti	1
Baloda Bazar	1
Jaynagar	1
Kangra	1
Umred	1
Navi mumbai	1
qrwerg t	1
Dubai	1
Dediapada	1
2121	1
Dharamshala	1
Dasuya	1
Jaunpur	1
DF	1
Banka	1
KOVALAM	1
Seerampur	1
Chittorgar	1
himatnagar	1
212	1
sadasd	1
Dispur	1
saran	1
Gurgoan	1
Joya	1
Kancheepuram	1
Chitrada	1
Bhoom	1
SRIKAKULAM	1
bhopal	1
Hyderabad	1
Chickmagalur	1
bareilly	1
Kurali	1
Shahdara	1
abc	1
Bhimavaram	1
Thiruvalla	1

iBall Excelance CompBook 11.6-inch Laptop	1
Diva	1
Hydreabad	1
brahmapur	1
RAIPUR	1
Poyya	1
Bikaner Rajasthan	1
Krishnagiri	1
Kalburgi	1
Pipariya	1
RAJKOT	1
DHARMPURI	1
Gingee	1
Kasaragod	1
KRISHNA	1
Nadia	1
KANCHIPURAM	1
Nalegaon	1
Chomu ,Jaipur	1
Morena	1
Jorhat assam	1
bobbili	1
peraiyur	1
LUCKNOW	1
Phulparas	1
Margoa	1
Kalady	1
mohali	1
Pattarnadakkavu	1
Cocheruvu	1
Tets	1
Rasipuram	1
Malkapur	1
Bangalore north,pin code ~ 562157	1
KUMBAKONAM	1
BAKHRI	1
Faizpur	1
kozhikode	1
Dineshpur	1
Meerut cantt	1
hotcourses	1
asdf	1
Navi Mumbai	1
Houston	1
SALEM	1
Janjgir	1

Tahrauli	1
BEGUSARAI	1
Haora	1
TALALA	1
Uttam nagar	1
Ahamdabad	1
asds	1
Lakhisarai	1
sambalpur	1
Bhimadolu	1
Bodinayakanur	1
Rayagada odisha	1
Post warud	1
Rayagada	1
Maruti Kunj	1
hooghly	1
Pachmarhi	1
Kodad	1
Dharwad	1
Khedbrahma, sabarkantha	1
Sirsa	1
Patna city	1
Ambur	1
Gurusamipalayam	1
amritsar	1
Rayagda	1
Khedbrahma	1
PEHOWA	1
Erode@nasiyanoor	1
pioyuih	1
Others	1
Barrackpore Kolkata	1
Bhadra	1
distt jhunjhunu	1
Jhunjhunu	1
Nambiyur	1
Silchar	1
Patinarathara	1
Suryapet	1
vandavasi	1
Nirmal	1
Visakhatnam	1
Patan	1
Karachi	1
Lauriya	1
ग्राम सादुलपुर	1

Saintala	1
Vijayapur	1
pune pimple gurav	1
Sagar	1
Vasai West	1
Karanjia	1
dhenkasi	1
Secendrabad	1
PATNA	1
Mangaon	1
Sitamadhi	1
mukerian	1
Marthandam	1
jammu	1
Bezděkov nad Metují	1
meerut	1
ARON	1
Gopeshwar	1
hyderabad	1
sirsa	1
SAPOTRA	1
SPSR NELLORE	1
Hora	1
hosur,kumedepalli	1
VADAPALANI CHENNAI	1
Tuticorin	1
Tirunel veli	1
ERODE	1
TIRUNELVELI	1
Village (BARIYON)	1
Vandavasi	1
Erode&nasiyanoor	1
BHOPAL	1
Ufg	1
Kudus	1
Tiptur	1
Lunglei	1
margao	1
Bansberia	1
Kondapalli	1
BILASPUR	1
AMRITSAR	1
Arni	1
Sawaimadhopur	1
Ayoor	1
Koppa chickmagalur	1

Lonand	1
AMRAVATI	1
Sonari Toun	1
Berhampore	1
Behea	1
Ganjam	1
DHANBAD	1
Barnala	1
Gajih	1
hospet	1
baripada	1
Gopal pur uttar para	1
pallathur	1
Trivandrum South	1
Bahadurgarh	1
Puliyampatti	1
tirupur	1
Swamimalai	1
ARVI	1
Aizawl	1
Siddha	1
pulinthop	1
namakkal	1
Mallaguri	1
INDIA	1
Pallipalayam	1
604405	1
dehradun	1
SAHARANPUR	1
Vandavasi taluk,thiruvannamalai district,604405	1
paonta sahib,distt.sirmour,taruwala	1
Saharanpur 2	1
Redhills	1
Solapur	1
CHITTOOR	1
Vellore.	1
Bankatti	1
Kurukshetra	1
Pundri	1
Rajnandgaon	1
Ganganagar	1
delhi khayala	1
India	1
howrah	1
tuticorin	1
Lakhimpur kheri	1

Hyderabad Telangana	1
Taunsa Sharif	1
Ashta	1
unnao	1
jamshedpur	1
Tenkasi	1
TIRUVALLUR	1
Rajnandgoan	1
PANAJI	1
MAPUSA	1
Lohandiguda	1
Ambala cantt	1
thrissur	1
ulhasnagar	1
krishnagiri	1
Narayanpur	1
Pudukkottai	1
BHAGAWANPUR	1
MARGAO	1
Tenali, Gunter (Dist)	1
surendranagar	1
Haldia township	1
Jalna	1
Kottayam	1
Singapore	1
SAKTI	1
YAsEen kirana store	1
Panjim	1
amravati	1
AHMEDABAD	1
BHIMRAM	1
Mangluru	1
Omu-aran, Kwara State	1
DEOGARH	1
AGRA	1
Rajpura	1
Thane (Thana)	1
Kabirdham	1
NAGAPATTINAM DISTRICT	1
Gulbarga	1
Jhalawar	1
Goa	1
Chaibasa	1
Betim - Alto Porvorim	1
mariyahu	1
FARRUKHABAD	1

Mancherial	1
Cuddalore district	1
Hajipur	1
Kondapur, Hyderabad	1
Dahod	1
UDUPI	1
Nellore ap	1
Balotra	1
Chinnasalam	1
Machilipatnam	1
Tiruvannamalai	1
SAMUKTOLA	1
agra	1
Palavakkam Chennai 41	1
Bodwad	1
Anantnag	1
Jeypore	1
CHERTHALA ALAPPUZHA	1
Jamnagar	1
Maharajpur chhatarpur	1
KALAHANDI	1
Laxmipur	1
Borigumma	1
Palanpur	1
Bharatpur	1
Brooklyn	1
Gangavati	1
Barpeta	1
Nodia	1
Karimnagar	1
Gidderbah	1
Kharagpur	1
Ballarpur	1
Sundarapuram	1
VASAI VIRAR	1
Veraval	1
Indori	1
West Godavari	1
Bathinda	1
Guntakal	1
Satbarwa	1
Sawai Madhopur	1
Siuri	1
TIRUVANATHAPURAM	1
Kayamkulam	1
melathediyoora	1

Uran	1
Barara	1
Bhiwani	1
Bahraich	1
Tyajampudi	1
Madanpur	1
amarpatan	1
A.konduru	1
Bhind	1
Sanghli	1
Kasganj	1
vishakapatnam	1
Palvancha	1
channarayapatna	1
Bhavnath pur	1
Alibag	1
pilani	1
CHAKDAHA	1
Aron	1
Andhra Pradesh	1
Jowai	1
Mulakalacheruvu	1
sonepur	1
Balod	1
Port Blair	1
Barwala	1
Bulandshahr	1
chalisgaon	1
KUNKURI	1
Baihar	1
Pathardi	1
Ramdurga	1
gondia	1
Arcot	1
Cheeka	1
JAJAPUR	1
Vada	1
Roha	1
DURG	1
Kumarghat	1
sibsagar	1
Kovilpatti	1
Q city	1
Gangapur City	1
manora	1
Aswaraopeta	1

Umaria	1
Adampur	1
Sheikhopura	1
Darbhaga	1
malhrpeth	1
Pune City East	1
DK PUTTUR	1
New mumbai	1
karur	1
Charhet	1
BALLARIY	1
Purna	1
Katangi balaghat	1
BHADRAK	1
ELURU	1
Akividu	1
Koraput	1
Shekhopura	1
Udaipur mallatalai	1
Ara	1
REWARI	1
Ncl kompaly	1
Talwandi sabo	1
Pakur	1
Ncl	1
Pulwama	1
Jalandhar	1
City	1
Radaur	1
Jaitpur	1
dhamua	1
BULANDSHAHR	1
Ghatampur	1
Trivandrum	1
Partur	1
Hi ju	1
Patharpratima	1
Supaul	1
Mernipadu	1
Balangir	1
Yellandu	1
bhagalpur	1
Raiganj	1
Amtala	1
Nawada	1
Penukonda	1

Kalyanpur	1
Kaimganj	1
Dinanagar	1
GORAKHPUR	1
Moga	1
Bhokar	1
Katihar	1
Darwad	1
Mandi	1
Kalain	1
Dongargarh	1
Mumbai,Vikhroli East	1
Abohar	1
Belgaum	1
NARSAMPET	1
MUZAFFARPUR	1
ARA	1
Haringhata	1
Dhosa	1
CHENNAI ANNANAGAR	1
BHUVANAGIRI	1
bangnan	1
Village piplya indore, district Shajapur	1
Narayangav	1
PUDUKKOTTAI	1
Mahabubnagar	1
Taki	1
Venkateshwarapuram	1
Gonda katra	1
Pavagada	1
vishakpatnam	1
Baramulla	1
chandrapur	1
Idar	1
Vetapalem	1
Bhuvanagiri	1
Nattrampalli	1
Bulandshahar	1
Kalimpong	1
Merta City nagaur	1
X	1
Kothapeta	1
Kovur,nellore	1
Dombivali	1
panchkula	1
ANAND	1

Dammapeta mandal, mandalapally village	1
Akbarpur	1
Morbi	1
Sambhal	1
Tehsil Saraipali	1
Gurdaspur	1
Purba Talla	1
Hanumangarh	1
hodal	1
mahabubnagar	1
Simoga	1
Vengadeshwarapuram	1
Laxmeshwar	1
Mashrakh	1
Harayana	1
Secunderabad	1
Shamli	1
Ramanagara	1
PURI	1
Durgapur	1
Sathyavedu	1
Chanditala, KumarPara	1
Thoothukudi	1
mangalagiri	1
Jahangir Puri	1
Virar East	1
Rambha	1
BANGALORE RURAL	1
PANIPAT MC	1
Karauli	1
manglore	1
Chiplun	1
Janki nagar, Bahraich road, gonda	1
ghaziyabad	1
Kalwa 400708	1
Rajsamand	1
Bellari	1
Gharghoda	1
Amaravati	1
Gangakhed	1
Garrladhinna	1
Manvi	1
Kosgi	1
Shahada	1
Dimapur	1
Ichalkaranji	1

Hathras	1
siddipet	1
Thrissur	1
Aligarh	1
Murarai	1
Domkal	1
Naini Industrial Area	1
Kendujhar	1
Mavelikara	1
Kumbakonam	1
Paradeep	1
BELLAMPALLE	1
Lohaghat	1
ANGAMALY	1
Kargil	1
Bari kawai	1
Mohindergarh	1
Metpally	1
Chinnasettipalli	1
Rampurhat	1
Lota Parshuram medicine	1
Faizabad	1
TIRUPPUR	1
Barasat	1
Kots	1
Naroli	1
Wadrafnagar	1
Pollachi	1
bhilwara	1
DELHI.110092	1
Raebareli	1
Rohini	1
Old city Gowlipura temple	1
Old city gowlipure	1
Satara	1
BALRAMPUR	1
Chhtarpur	1
bangalore south	1
Sindhudurg	1
bbsr	1
Villikkam	1
Kaushambi	1
Kalasa	1
tvm	1
Khorda	1
Gautam Buddha Nagar	1

thiruvananthapuram	1
DEL	1
Anugul	1
Hasanpur	1
GWALIOR	1
chennai 600009	1
Cherthala	1
kalyan	1
Chennai-88	1
Gohana	1
Srinivasapura	1
Vardha	1
Kolar	1
chrimiri	1
Bhusawal	1
Sardarshahar	1
IMPHAL WEST	1
greater noida	1
Amrabad	1
Shahpura	1
Kirti nagar	1
Balmpet	1
Madanapalle	1
ranchi	1
Chandpur	1
Firozabad	1
TIRUPATI	1
Nowgong	1
Robertsganj	1
Gwalior	1
Namakkal	1
Khanna	1
om gayatri nagar	1
MANDI	1
Namsai	1
Shivpuri	1
Prayagraj	1
SriGanganagar	1
Buldana	1
Chengannur	1
Biswan	1
Gonda	1
Siruguppa	1
B puram Tehri Garhwal	1
Sandaur	1
Shamshabad	1

Aluva	1
Bellakonda	1
Bhiwandi	1
Tiruvannamali	1
Rajasthan	1
Siddhartha Nagar	1
Dist-Pune,	1
brackpore	1
Mahuva	1
Bokkhali	1
PORT BLAIR	1
Kareli	1
Bhuntar	1
Sri ganganagar	1
TIRUPUR	1
Paratwada	1
Gollapudi, vijayawada	1
Khandala	1
Belsar	1
thane	1
Nalgonda	1
trichy	1
kendrapada	1
dhar in mp	1
Anand	1
Dhuri	1
Menhdawal	1
shamli	1
Khurdha	1
Kurseong	1
Sikar	1
Sidhmukh	1
perambalur	1
panel	1
KALWA THANE	1
MADHUPUR	1
Silvassa	1
Satna	1
Srivilliputhur	1
Chirala	1
Badhan pur	1
Begusarai	1
Kulgam	1
Goaltore	1
Cherial	1
Omerga	1

Chauth ka barwada	1
MADHUBANI	1
Pachore	1
BARKOTE	1
MYSORE	1
Phek	1
Bijnor	1
Podili	1
Baleswer	1
Anthiyur	1
ramagarh	1
Kanchapara	1
Pedda kadubur	1
Indapur	1
Tirora, Gondia	1
Chhindwara	1
Sodam	1
vidisha	1
Old panvel	1
AIROLI NAVI MUMBAI	1
patna	1
Greater noida	1
MARGHERITA	1
Vashi, navi mumbai	1
Malappram	1
Gudur	1
Jharkhand	1
dhenkanal	1
pangra shinde	1
Surendranagar	1
Ranipet	1
PONDICHERRY	1
Padampur	1
Arambagh	1
Mayiladuthurai	1
Preeti nagar	1
Najagarh	1
Shahapur	1
Narkanda	1
Najafgarh	1
kodumudi, erode	1
Purbamidnapur	1
Muzaffarnagar	1
aspur	1
Amreli	1
Jangaon	1

Muradnagar, Ghaziabad	1
Cansaulim	1
Ratlam	1
Sibsagar	1
Khatima	1
Harmu ranchi	1
Dapoli	1
Pullur	1
Siddharthnagar	1
Chamba Himachal pradesh	1
varanasi	1
Cheenai	1
Shreepur	1
KOTHAPETA	1
Bonaigarh	1
rewari	1
Mumbai Virar	1
Bengalur	1
Kadapa did. Rayachoty mandal	1
मरवटिया तिवारी	1
Mehrauli 1	1
Barauni	1
Kodakara	1
Virar	1
Yavatmal	1
Dungerpur	1
New Panvel	1
Bhuj	1
Badrawathi	1
Town	1
Berasia	1
Sapuchetle	1
Kattangur	1
Karur	1
Malout	1
NAGAON	1
Orai	1
Balagarh	1
balasore	1
Jobat	1
Kanpur nagar	1
Jajpur roas	1
Bellary	1
Jamesdpur	1
ambikapur	1
New Delhi West	1

Somnaha	1
nagpur	1
Ghazipur	1
Villupuram	1
Alipurduar	1
Hyd	1
Anakapalli	1
GONDA	1
Bardoli	1
PURNEA	1
vijayawada	1
berhampur	1

Name: Shipping City, dtype: int64

```
In [32]: data['Shipping City'] = data['Shipping City'].apply(lambda x : x.lower())
data['Shipping City'] = data['Shipping City'].str.replace('chennai 600009','chennai')
data['Shipping City'] = data['Shipping City'].str.replace('hyderabad telangana','hyderabad')
data['Shipping City'] = data['Shipping City'].str.replace('chenai','chennai')
data['Shipping City'] = data['Shipping City'].str.replace('mumbai,vikhroli','mumbai')
```

```
In [33]: data['Shipping City'].value_counts()
```

```
Out[33]: chennai      128
          bangalore    66
          hyderabad    59
          mumbai       53
          varanasi     42
          pune         35
          new delhi    35
          delhi        30
          kolkata      28
          ahmedabad    24
          gorakhpur    23
          patna        20
          coimbatore   20
          data not available 18
          jaipur       15
          faridabad    14
          visakhapatnam 13
          salem        13
          surat       13
          noida        13
          lucknow      13
          ludhiana     12
          gurgaon      12
          bhopal       11
          nizamabad    10
          ranchi       10
          bhubaneswar  10
          bengaluru    10
          indore       10
          vijayawada   10
          madurai      10
          nagpur       9
          gaya         9
          vellore      8
          ghaziabad    8
          agra         8
          kanpur       8
          chandigarh   8
          dehradun     7
          howrah       7
          tirupur      7
          tumkur       7
          guwahati     7
          tirunelveli  7
          muzaffarpur  7
          guntur       6
```

surendranagar	6
amritsar	6
hisar	6
vidisha	6
test	6
kanchipuram	6
kalyan	6
bikaner	6
bilaspur	6
thane	6
adilabad	5
moradabad	5
trichy	5
jammu	5
tiruppur	5
samastipur	5
amravati	5
pondicherry	5
juncos	5
raipur	5
nellore	5
bhavnagar	5
warangal	5
kishanganj	5
chittoor	5
nanded	5
vishakapatnam	5
navi mumbai	5
mysore	5
madhubani	5
kurnool	5
vadodara	5
dwwwwww	4
nashik	4
kozhikode	4
erode	4
siliguri	4
greater noida	4
rewari	4
bareilly	4
farrukhabad	4
allahabad	4
thiruvalla	4
srinagar	4
aurangabad	4
ahmednagar	4

berhampur	4
rgtvrg	4
palwal	4
tamilnadu	4
banglore	4
dombivli	4
hooghly	4
virar east	4
bhilai	4
budwa	4
sri ganganagar	4
udaipur	4
kolhapur	4
gondia	4
dhanbad	4
modinagar	3
mohali	3
balasore	3
hamirpur	3
bhandara	3
sdas	3
hoshangabad	3
pilibhit	3
bobbili	3
manglore	3
rohtak	3
asansol	3
bijapur	3
meerut	3
jamshedpur	3
sultanpur	3
chotila	3
jodhpur	3
mandideep	3
nagaon	3
mughalsarai, chandauli	3
thiruvananthapuram	3
bhagalpur	3
thiruvallur	3
patiala	3
shillong	3
panchkula	3
ambikapur	3
latur	3
eluru	3
ujjain	3

bhilwara	3
gurugram	3
angul	3
india	3
raichur	3
manendragarh	3
sainthia	3
chakan	3
jhansi	3
ambala	3
tirupati	3
madhya pradesh, pachore	3
ramgarh	3
hazaribagh	3
saharanpur	3
kannur	3
haldwani	3
baripada	3
anantapur	3
azamgarh	3
bihiya	3
ghatal	3
burdwan	3
navi mumbai thane rabadi	3
dhar	3
aligarh	3
bathinda	3
dibrugarh	3
guna	2
namakkal	2
naraura	2
peddapalli, telangana	2
mirzapur	2
tinsukia	2
pratapgarh	2
sivasagar	2
margao	2
bettiah	2
utter pardesh	2
sitapur	2
barmer	2
palghar	2
nandurbar	2
gwalior	2
pithampur	2
ballia	2

kartarpur	2
sidhi	2
panvel	2
kunigal	2
palakkad	2
japla	2
tuticorin	2
mangalore	2
karur	2
hingoli	2
ahemdabad	2
hubli	2
agartala	2
rajampet	2
rewa	2
gonda	2
kharghar	2
madhepura	2
saidpur	2
kolidam	2
jhinkpani	2
deoghar	2
jorhat	2
alappuzha	2
navsari	2
hassan	2
chittorgarh	2
neemuch	2
haridwar	2
prayraj	2
aron	2
vandavasi	2
kovvur	2
begusarai	2
bihar	2
batamaloo	2
kadapa	2
bokakhat	2
hydrabad	2
dabba	2
punjab	2
darbhanga	2
maharashtra	2
sirkali	2
uluberia	2
s.rayavaram	2

sibsagar	2
mandi	2
khamgaon	2
ajmer	2
miryalaguda	2
pudukkottai	2
telangana	2
vadodra	2
sirsa	2
duddekunta	2
jetpur	2
sujangarh	2
shamli	2
sds	2
thrissur	2
sads	2
kumbakonam	2
karatagi	2
jamui	2
beohari	2
puducherry	2
baddi	2
dewas	2
jhargram	2
sangareddy	2
dharmavaram	2
karad	2
fwerew	2
ongole	2
mahabubnagar	2
calicut	2
kothapeta	2
anand	2
siwan	2
pathankot	2
imphal	2
rudrapur	2
jabalpur	2
belapurr	2
ernakulam	2
hosur	2
ara	2
ieeja	2
rajahmundry	2
titwala	2
gajuwaka	2

diu	2
bidar	2
malappuram	2
bhuvanagiri	2
pusad	2
gfhgfhjj	2
south mumbai	2
nanded waghala	2
balaghat	2
shihor	2
cuttack	2
bijwasan new delhi	2
kota	2
thiruvannamalai	2
malda	2
chengannur.	2
yamakanmardi	2
malegaon	2
parbhani	2
krishnagiri	2
kotputli	2
gobi	2
shahdol	2
narayanpet	2
bulandshahr	2
karaikal	2
khetri nagar, distt - jhunjhunu	2
port blair	2
saran	1
mehmedabad	1
bikaner rajasthan	1
dispur	1
faizpur	1
ahamdabad	1
hydreabad	1
bhoom	1
duttapukur	1
uttam nagar	1
himatnagar	1
shahdara	1
tahrauli	1
kurali	1
meerut cantt	1
chittorgar	1
dineshpur	1
bakhri	1

kalburgi	1
seerampur	1
kovalam	1
gurgoan	1
shriwardhan	1
umred	1
odomi	1
maruti kunj	1
erode&nasiyanoor	1
bodinayakanur	1
erode@nasiyanoor	1
guntakal	1
ambur	1
others	1
west godavari	1
pachmarhi	1
baloda bazar	1
basti	1
bhimadolu	1
sangli	1
jharpokharia	1
khedbrahma, sabarkantha	1
kuchch	1
jaynagar	1
khedbrahma	1
gurusamipalayam	1
kochi	1
tets	1
lakhisarai	1
jalgaon	1
gjj	1
ranga reddy	1
patna city	1
kangra	1
bangalore north,pin code ~ 562157	1
belagavi	1
pipariya	1
banka	1
krishna	1
gingee	1
dharmपुरi	1
kancheepuram	1
talala	1
kasaragod	1
budaun	1
nadia	1

nalegaoon	1
chomu ,jaipur	1
morena	1
kampli	1
joya	1
bengalore	1
aland	1
banda	1
alwar	1
jind	1
motihari	1
jamalpur	1
gorhat assam	1
peraiyur	1
kalady	1
bharwa sumerpur	1
udhampur	1
udumalpet	1
salaya	1
margoa	1
bokaro	1
pattarnadakkavu	1
srikakulam	1
manesar,gurugram	1
148/a sadiypur kasine tol allhabada	1
phulparas	1
jaunpur	1
janjgir	1
haora	1
dharwad	1
dasuya	1
dharamshala	1
kodad	1
rasipuram	1
dediapada	1
rajkot	1
odissa	1
rayagada	1
uruli kanchan	1
maneser	1
yamuna nagar	1
chitrada	1
kadi	1
dubai	1
chennai-600113	1
rayagada odisha	1

cocheruvu	1
poyya	1
sadyipur	1
chickmagalur	1
post warud	1
osmanabad	1
hydarabad	1
malkapur	1
tirunel veli	1
narayanpur	1
mangaon	1
bahadurgarh	1
sagar	1
lauriya	1
jhunjhunu	1
distt jhunjhunu	1
barrackpore kolkata	1
secendrabad	1
hosur,kumedepalli	1
sitamadhi	1
vellore.	1
hospet	1
tiruvannamalai	1
machilipatnam	1
balotra	1
dahod	1
nagapattinam district	1
mancherial	1
gulbarga	1
kondapur, hyderabad	1
bodwad	1
arvi	1
aizawl	1
siddha	1
gopal pur uttar para	1
kondapalli	1
arni	1
sawaimadhopur	1
koppa chickmagalur	1
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berhampore	1
behea	1
barnala	1
ganjam	1
ayoor	1

bansberia	1
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kudus	1
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gajih	1
saharanpur 2	1
paonta sahib,distt.sirmour,taruwala	1
pallipalayam	1
indori	1
nodia	1
jeypore	1
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sambalpur	1
rayagda	1
navi mumbai	1
brahmapur	1
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bhimavaram	1
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laxmipur	1
anantnag	1
kabirdham	1
rajpura	1
mapusa	1
panaji	1
unnao	1
ambala cantt	1
omu-aran, kwara state	1
panjim	1
kottayam	1

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fghghgh	1
fdgdf	1
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sadasd	1
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df	1
lunglei	1
vandavasi taluk,thiruvannamalai district,604405	1
bhagawanpur	1
brooklyn	1
rajnandgoan	1
lohandiguda	1
thane (thana)	1
cherthala alappuzha	1
jamnagar	1
maharajpur chhatarpur	1
kalahandi	1
palanpur	1
bharatpur	1
gangavati	1
604405	1
karimnagar	1
gidderbah	1
kharagpur	1
ballarpur	1
sundarapuram	1
vasai virar	1
veraval	1
barpeta	1
palavakkam chennai 41	1
tiruvallur	1
tenkasi	1
ashta	1
taunsa sharif	1
tenali, gunter (dist)	1
haldia township	1
jalna	1
singapore	1
yaseen kirana store	1
pehowa	1
bhimram	1
mangluru	1
deogarh	1
sakti	1

ulhasnagar	1
bankatti	1
kurukshetra	1
pundri	1
rajnandgaon	1
ganganagar	1
delhi khayala	1
India	1
lakhimpur kheri	1
jhalawar	1
goa	1
chaibasa	1
nambiyur	1
patinarathara	1
suryapet	1
nirmal	1
visakhpatnam	1
patan	1
karachi	1
ग्राम सादुलपुर	1
saintala	1
vijayapur	1
pune pimple gurav	1
vasai west	1
village (bariyon)	1
pioyuih	1
pallathur	1
trivandrum south	1
puliyampatti	1
swamimalai	1
pulinthop	1
mallaguri	1
silchar	1
bhadra	1
betim - alto porvorim	1
karanjia	1
mariyahu	1
cuddalore district	1
hajipur	1
udupi	1
nellore ap	1
chinnasalam	1
samuktola	1
solapur	1
redhills	1
mukerian	1

marthandam	1
bezděkov nad metují	1
gopeshwar	1
sapotra	1
spsr nellore	1
hora	1
vadapalani chennai	1
bhuntar	1
dhenkasi	1
wadrafnagar	1
kodakara	1
kareli	1
jowai	1
sawai madhopur	1
siuri	1
tiruvanathapuram	1
kayamkulam	1
melathediyoore	1
uran	1
barara	1
bhiwani	1
bahraich	1
tyajampudi	1
madanpur	1
satbarwa	1
amarpatan	1
bhind	1
sanghli	1
kasganj	1
palvancha	1
channarayapatna	1
bhavnath pur	1
andhra pradesh	1
mulakalacheruvu	1
bokkhali	1
sonepur	1
balod	1
barwala	1
chalisgaon	1
kunkuri	1
baihar	1
pathardi	1
ramdurga	1
arcot	1
cheeka	1
jajapur	1

vada	1
roha	1
durg	1
kumarghat	1
kovilpatti	1
q city	1
gangapur city	1
manora	1
aswaraopeta	1
alibag	1
pilani	1
chakdaha	1
umaria	1
darwad	1
dhamua	1
radaur	1
darbhaga	1
city	1
malhrpeth	1
pune city east	1
dk puttur	1
new mumbai	1
charhet	1
ballariy	1
purna	1
katangi balaghat	1
bhadrak	1
akividu	1
koraput	1
shekhopura	1
udaipur mallatalai	1
ncl kompaly	1
katihar	1
bhokar	1
moga	1
supaul	1
adampur	1
sheikhopura	1
jaitpur	1
ghatampur	1
trivandrum	1
partur	1
hi ju	1
patharpratima	1
mernipadu	1
dinanagar	1

balangir	1
yellandu	1
raiganj	1
amtala	1
nawada	1
penukonda	1
kalyanpur	1
kaimganj	1
kalain	1
dongargarh	1
puri	1
ichalkaranji	1
abohar	1
belgaum	1
narsampet	1
haringhata	1
dhosa	1
chennai annanagar	1
bangnan	1
village piplya indore, district shajapur	1
narayangav	1
taki	1
venkateshwarapuram	1
gonda katra	1
pavagada	1
vishakpatnam	1
baramulla	1
chandrapur	1
idar	1
vetapalem	1
bulandshahar	1
mumbai east	1
nattrampalli	1
kalimpong	1
tehsil saraipali	1
merta city nagaur	1
x	1
kovur,nellore	1
dombivali	1
dammapeta mandal, mandalapally village	1
akbarpur	1
morbi	1
sambhal	1
gurdaspur	1
secunderabad	1
purba talla	1

hanumangarh	1
hodal	1
simoga	1
vengadeshwarapuram	1
laxmeshwar	1
mashrakh	1
harayana	1
ramanagara	1
siddipet	1
kosgi	1
murarai	1
chanditala, kumarpara	1
thoothukudi	1
mangalagiri	1
jahangir puri	1
rambha	1
bangalore rural	1
panipat mc	1
karauli	1
chiplun	1
janki nagar, bahraich road, gonda	1
ghaziyabad	1
kalwa 400708	1
rajsamand	1
bellari	1
gharghoda	1
amaravati	1
gangakhed	1
garrladhinna	1
manvi	1
sathyavedu	1
shahada	1
durgapur	1
kargil	1
domkal	1
naini industrial area	1
kendujhar	1
mavelikara	1
paradeep	1
bellampalle	1
lohaghat	1
angamaly	1
bari kawai	1
dimapur	1
mohindergarh	1
metpally	1

chinnasettipalli	1
rampurhat	1
lota parshuram medicine	1
faizabad	1
barasat	1
hathras	1
talwandi sabo	1
pakur	1
ncl	1
anugul	1
chennai-88	1
cherthala	1
delhi.110092	1
raebareli	1
rohini	1
old city gowlipura temple	1
old city gowlipure	1
satara	1
balrampur	1
chhtarpur	1
bangalore south	1
sindhudurg	1
pollachi	1
bbsr	1
kaushambi	1
kalasa	1
tvm	1
khorda	1
gautam buddha nagar	1
gohana	1
om gayatri nagar	1
khanna	1
sardarshahar	1
harmu ranchi	1
goaltore	1
kulgam	1
srinivasapura	1
vardha	1
kolar	1
chrimiri	1
bhusawal	1
imphal west	1
robertsganj	1
amrabad	1
shahpura	1
kirti nagar	1

balmpet	1
madanapalle	1
chandpur	1
firozabad	1
nowgong	1
del	1
hasanpur	1
badrawathi	1
namsai	1
paratwada	1
prayagraj	1
sriganganagar	1
buldana	1
chengannur	1
biswan	1
siruguppa	1
b puram tehri garhwal	1
sandaur	1
shamshabad	1
aluva	1
bellakonda	1
bhiwandi	1
tiruvannamali	1
rajasthan	1
siddhartha nagar	1
dist-pune,	1
brackpore	1
mahuva	1
khandala	1
badhan pur	1
chirala	1
khurdha	1
shivpuri	1
gollapudi, vijayawada	1
belsar	1
nalgonda	1
kendrapada	1
dhar in mp	1
dhuri	1
menhdawal	1
kurseong	1
srivilliputhur	1
sikar	1
sidhmukh	1
perambalur	1
panel	1

kalwa thane	1
madhupur	1
silvassa	1
satna	1
town	1
bhuj	1
pulwama	1
indapur	1
jangaon	1
muradnagar, ghaziabad	1
cansaulim	1
ratlam	1
gudur	1
vashi, navi mumbai	1
cherial	1
margherita	1
omerga	1
chauth ka barwada	1
pachore	1
barkote	1
phek	1
bijnor	1
podili	1
baleswer	1
anthiyur	1
ramagarh	1
kanchapara	1
amreli	1
aspur	1
muzaffarnagar	1
ranipet	1
jalandhar	1
kots	1
a.konduru	1
naroli	1
villikkam	1
jharkhand	1
dhenkanal	1
pangra shinde	1
padampur	1
purbamidnapur	1
arambagh	1
mayiladuthurai	1
preeti nagar	1
najagarh	1
shahapur	1

narkanda	1
najafgarh	1
kodumudi, erode	1
pedda kadubur	1
tirora, gondia	1
new panvel	1
chhindwara	1
purnea	1
sapuchetle	1
dapoli	1
berasia	1
pullur	1
siddharthnagar	1
chamba himachal pradesh	1
cheenai	1
shreepur	1
bonaigarh	1
mumbai virar	1
bengalur	1
kadapa did. rayachoty mandal	1
सरवटिया तिवारी	1
mehrauli 1	1
barauni	1
virar	1
yavatmal	1
dungerpur	1
bardoli	1
anakapalli	1
hyd	1
balagarh	1
sodam	1
old panvel	1
airoli navi mumbai	1
malappram	1
khatima	1
kattangur	1
malout	1
orai	1
jobat	1
alipurduar	1
kanpur nagar	1
jajpur roas	1
bellary	1
jamesdpur	1
new delhi west	1
somnaha	1

ghazipur	1
villupuram	1
gccch	1

Name: Shipping City, dtype: int64

```
In [34]: lstCity = data['Shipping City'].unique()
```

```
In [35]: def cityFilter(x):  
    city = x.split(' ')  
    if len(city) > 1:  
        return city[0]  
    return 0
```

```
In [36]: lstMainCity = []  
for i in lstCity:  
    ct = cityFilter(i)  
    if ct != 0:  
        lstMainCity.append(ct)
```

```
In [37]: lstMainCity
```

```
Out[37]: ['merta',  
          'dammapeta',  
          'tehsil',  
          'purba',  
          'navi',  
          'mumbai',  
          'data',  
          'chennai',  
          'village',  
          'new',  
          'gonda',  
          'naini',  
          'bari',  
          'lota',  
          'south',  
          'chanditala,',  
          'sri',  
          'jahangir',  
          'virar',  
          'bangalore',  
          'panipat',  
          'janki',  
          'kalwa',  
          'port',  
          'q',  
          'gangapur',  
          'andhra',  
          'sawai',  
          'peddapalli,',  
          'bhavnath',  
          'hi',  
          'pune',  
          'dk',  
          'new',  
          'katangi',  
          'udaipur',  
          'ncl',  
          'talwandi',  
          'pangra',  
          'preeti',  
          'kodumudi,',  
          'navi',  
          'muradnagar,',  
          'vashi,',  
          'chauth',  
          'pedda',
```

'tirora',
'old',
'airoli',
'greater',
'kanpur',
'jajpur',
'new',
'chamba',
'mumbai',
'kadapa',
'मरवाटिया',
'mehrauli',
'new',
'harmu',
'imphal',
'kirti',
'om',
'old',
'old',
'bangalore',
'gautam',
'gollapudi,',
'dhar',
'kalwa',
'nanded',
'badhan',
'b',
'siddhartha',
'madhya',
'west',
'ranga',
'uttam',
'meerut',
'bangalore',
'patna',
'rayagada',
'chomu',
'jorhat',
'bikaner',
'post',
'maruti',
'khedbrahma,',
'bharwa',
'yamuna',
'uruli',
'148/a',

'baloda',
'tenali',
'haldia',
'yaseen',
'delhi',
'lakhimpur',
'taunsa',
'thane',
'cherthala',
'maharajpur',
'vasai',
'palavakkam',
'betim',
'cuddalore',
'nellore',
'bezděkov',
'spsr',
'vadapalani',
'tirunel',
'ग्राम',
'pune',
'vasai',
'village',
'trivandrum',
'vandavasi',
'utter',
'koppa',
'sonari',
'saharanpur',
'paonta',
'gopal',
'mughalsarai',
'khetri',
'distt',
'barrackpore',
'bijwasan',
'nagapattinam',
'kondapur',
'ambala',
'omu-aran',
'qrweg',
'navi',
'hyderabad',
'iball']

```
In [38]: def clearSpaceProgramCity(x):  
        city = x.split(' ')  
        cityChange = False  
        if len(city) > 1:  
            for i in city:  
                for j in lstMainCity:  
                    if i == j:  
                        city = j  
                        cityChange = True  
                        break  
        if cityChange == True:  
            return city  
        else:  
            strCity = ''  
            for ele in city:  
                strCity += ele + ' '  
            return strCity
```

```
In [39]: data['Shipping City'] = data['Shipping City'].apply(clearSpaceProgramCity)  
data['Shipping City'] = data['Shipping City'].apply(lambda x: x.strip())  
data['Shipping City'] = data['Shipping City'].str.replace("chennai-600113", "chennai")  
data['Shipping City'] = data['Shipping City'].str.replace("delhi.110092", "delhi")
```

```
In [40]: data['Shipping City'].value_counts()
```

```
Out[40]:
```

chennai	132
delhi	69
bangalore	68
mumbai	65
hyderabad	61
varanasi	42
pune	37
kolkata	28
ahmedabad	24
gorakhpur	23
patna	21
coimbatore	20
data	18
jaipur	15
faridabad	14
lucknow	13
visakhapatnam	13
salem	13
surat	13
noida	13
ludhiana	12
gurgaon	12
bhopal	11
thane	11
bhubaneswar	10
vijayawada	10
bengaluru	10
nizamabad	10
ranchi	10
madurai	10
indore	10
gaya	9
kanpur	9
nagpur	9
chandigarh	8
ghaziabad	8
vellore	8
agra	8
tirunelveli	7
guwahati	7
nanded	7
muzaffarpur	7
howrah	7
tirupur	7
bikaner	7
dehradun	7

nellore	7
virar	7
tumkur	7
kalyan	6
vidisha	6
surendranagar	6
guntur	6
bilaspur	6
test	6
kanchipuram	6
amritsar	6
hisar	6
bhavnagar	5
vishakapatnam	5
chittoor	5
warangal	5
madhubani	5
moradabad	5
jammu	5
raipur	5
juncos	5
amravati	5
kurnool	5
tiruppur	5
adilabad	5
vadodara	5
udaipur	5
samastipur	5
trichy	5
kishanganj	5
mysore	5
pondicherry	5
thiruvalla	4
sri	4
palwal	4
nashik	4
hooghly	4
meerut	4
saharanpur	4
rgtvrg	4
gondia	4
erode	4
budwa	4
dhanbad	4
bareilly	4
kolhapur	4

dombivli	4
banglore	4
siliguri	4
srinagar	4
west	4
ambala	4
bhilai	4
dhar	4
aurangabad	4
greater	4
kozhikode	4
tamilnadu	4
ahmednagar	4
dwwwwww	4
farrukhabad	4
gonda	4
berhampur	4
allahabad	4
rewari	4
jamshedpur	3
raichur	3
india	3
gurugram	3
modinagar	3
mohali	3
asansol	3
jhansi	3
pilibhit	3
manglore	3
kadapa	3
patiala	3
mughalsarai,	3
thiruvananthapuram	3
gorhat	3
distt	3
kannur	3
bobbili	3
mandideep	3
ghatal	3
sainthia	3
azamgarh	3
chotila	3
bhagalpur	3
eluru	3
jodhpur	3
angul	3

vandavasi	3
chakan	3
bijapur	3
haldwani	3
anantapur	3
hamirpur	3
bihiya	3
rohtak	3
sultanpur	3
hoshangabad	3
old	3
nagaon	3
balasore	3
ambikapur	3
baripada	3
shillong	3
latur	3
manendragarh	3
madhya	3
bathinda	3
aligarh	3
bhilwara	3
thiruvallur	3
tirupati	3
burdwan	3
hazaribagh	3
ujjain	3
sdas	3
panchkula	3
bhandara	3
village	3
dibrugarh	3
ramgarh	3
palghar	2
bokakhat	2
duddekunta	2
gwalior	2
hydrabad	2
sangareddy	2
darbhanga	2
punjab	2
namakkal	2
kunigal	2
uluberia	2
telangana	2
s.rayavaram	2

palakkad	2
mangalore	2
prayraj	2
alappuzha	2
barmer	2
kovvur	2
batamaloo	2
shamli	2
krishnagiri	2
gobi	2
mirzapur	2
tinsukia	2
peddapalli,	2
panvel	2
south	2
neemuch	2
jetpur	2
haridwar	2
cuttack	2
aron	2
naraura	2
bihar	2
begusarai	2
cherthala	2
pathankot	2
miryalaguda	2
karur	2
guna	2
madhepura	2
jhinkpani	2
jabalpur	2
chittorgarh	2
pusad	2
bhuvanagiri	2
belapur	2
malappuram	2
ernakulam	2
ahemdabad	2
pudukkottai	2
mahabubnagar	2
margao	2
hassan	2
balaghat	2
diu	2
titwala	2
rajahmundry	2

gajuwaka	2
ballia	2
gfhgfhjj	2
agartala	2
japla	2
tuticorin	2
hingoli	2
dabba	2
karad	2
ncl	2
sads	2
navsari	2
rewa	2
sirkali	2
kharghar	2
saidpur	2
rudrapur	2
maharashtra	2
kolidam	2
deoghar	2
rajampet	2
hubli	2
sidhi	2
fwereu	2
ara	2
bettiah	2
sitapur	2
ieeja	2
kota	2
sivasagar	2
pratapgarh	2
dewas	2
baddi	2
sibsagar	2
hosur	2
malda	2
khamgaon	2
puducherry	2
kotputli	2
bidar	2
kumbakonam	2
malegaon	2
thiruvannamalai	2
parbhani	2
yamakanmardi	2
bulandshahr	2

jamui	2
sirsa	2
beohari	2
port	2
karaikal	2
mandi	2
ajmer	2
sujangarh	2
karatagi	2
shahdol	2
rayagada	2
imphal	2
vadodra	2
shihor	2
ongole	2
siwan	2
kartarpur	2
sds	2
utter	2
thrissur	2
narayanpet	2
chengannur.	2
calicut	2
anand	2
dharmavaram	2
pithampur	2
jhargram	2
kothapeta	2
nandurbar	2
kodad	1
yamuna	1
tahrauli	1
dineshpur	1
odissa	1
148/a	1
bakhri	1
uruli	1
gjj	1
kadi	1
hydarabad	1
sadyipur	1
wadrafnagar	1
osmanabad	1
dediapada	1
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dharwad	1

guntakal	1
himatnagar	1
uttam	1
dharamshala	1
others	1
dispur	1
saran	1
jaynagar	1
bhimavaram	1
gurgoan	1
chittorgar	1
seerampur	1
umred	1
kovalam	1
peshawar	1
diva	1
jalgaon	1
ranga	1
brahmapur	1
shriwardhan	1
odomi	1
iball	1
kangra	1
banka	1
mehmedabad	1
duttapukur	1
jaunpur	1
dasuya	1
abc	1
bhoom	1
kampli	1
maneser	1
morena	1
peraiyur	1
rasipuram	1
haora	1
janjgir	1
malkapur	1
phulparas	1
faizpur	1
margoa	1
ahamdabad	1
lakhisarai	1
gurusamipalayam	1
kochi	1
kalady	1

houston	1
khedbrahma,	1
pachmarhi	1
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dharmपुरi	1
rajkot	1
maruti	1
post	1
pipariya	1
kalburgi	1
bodinayakanur	1
bhimadolu	1
tets	1
kurali	1
hydreabad	1
;lkjhgf	1
chitrada	1
chomu	1
hotcourses	1
dubai	1
cocheruvu	1
manesar,gurugram	1
poyya	1
chickmagalur	1
budaun	1
shahdara	1
bengalore	1
srikakulam	1
aland	1
banda	1
pattarnadakkavu	1
alwar	1
motihari	1
jamalpur	1
krishna	1
bharwa	1
udhampur	1
gingee	1
kancheepuram	1
udumalpet	1
bokaro	1
belagavi	1
talala	1
salaya	1
kasaragod	1
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nalegaon	1
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lakhimpur	1
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ayoor	1
mallaguri	1
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hospet	1
lunglei	1
kottayam	1
kondapalli	1
arni	1
sawaimadhopur	1
koppa	1
lonand	1
sonari	1
berhampore	1
behea	1
panjim	1
barnala	1
omu-aran,	1
pulinthop	1
swamimalai	1
qwq	1
fdgdf	1
silchar	1
patinarathara	1
sadasd	1
suryapet	1
qrwerg	1
nirmal	1
visakhpatnam	1
patan	1
puliyampatti	1
karachi	1
fghghgh	1
ग्राम	1
saintala	1
vijayapur	1
pioyuih	1
pallathur	1
ganjam	1
unnao	1

rayagda	1
bansberia	1
borigumma	1
barrackpore	1
jeypore	1
secendrabad	1
hosur,kumedepalli	1
nodia	1
sitamadhi	1
indori	1
bodwad	1
mangaon	1
vellore.	1
gulbarga	1
mancherial	1
tiruvannamalai	1
machilipatnam	1
balotra	1
dahod	1
laxmipur	1
jhunjhunu	1
anantnag	1
pallipalayam	1
tiptur	1
panaji	1
kudus	1
ufg	1
gajih	1
paonta	1
mapusa	1
gopal	1
lauriya	1
siddha	1
rajpura	1
aizawl	1
arvi	1
bahadurgarh	1
sagar	1
kabirdham	1
nambiyur	1
212	1
bhadra	1
karanjia	1
ulhasnagar	1
bankatti	1
kurukshetra	1

asds	1
pundri	1
rajnandgaon	1
ganganagar	1
India	1
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nagapattinam	1
taunsa	1
ashta	1
tenkasi	1
tiruvallur	1
rajnandgoan	1
lohandiguda	1
jamnagar	1
sakti	1
deogarh	1
mangluru	1
narayanpur	1
jharpokharia	1
sangli	1
basti	1
baloda	1
ambur	1
erode@nasiyanoor	1
erode&nasiyanoor	1
bhagawanpur	1
bhimram	1
tenali,	1
haldia	1
sambalpur	1
jalna	1
singapore	1
yaseen	1
pehowa	1
maharajpur	1
kalahandi	1
palanpur	1
redhills	1
hajipur	1
udupi	1
2121	1
chinnasalam	1
samuktola	1
solapur	1
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mariyahu	1
marthandam	1
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gopeshwar	1
sapotra	1
hora	1
bhuntar	1
dhenkasi	1
cuddalore	1
betim	1
bharatpur	1
ballarpur	1
gfgffg	1
brooklyn	1
gangavati	1
karimnagar	1
gidderbah	1
kharagpur	1
rterter	1
sundarapuram	1
chaibasa	1
veraval	1
barpeta	1
dsfgdfyt	1
jhalawar	1
qihdzf	1
goa	1
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shreepur	1
kareli	1
sonepur	1
jowai	1
andhra	1
sawai	1
siuri	1
tiruvanathapuram	1
kayamkulam	1
melathediyoora	1
uran	1
barara	1
bhiwani	1
bahraich	1
tyajampudi	1
madanpur	1
satbarwa	1

amarpatan	1
bhind	1
sanghli	1
mulakalacheruvu	1
aswaraopeta	1
palvancha	1
manora	1
balod	1
barwala	1
chalisgaon	1
kunkuri	1
baihar	1
pathardi	1
ramdurga	1
arcot	1
cheeka	1
jajapur	1
vada	1
roha	1
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kumarghat	1
kovilpatti	1
q	1
gangapur	1
kasganj	1
channarayapatna	1
bokkhali	1
penukonda	1
kaimganj	1
dinanagar	1
moga	1
bhokar	1
katihar	1
darwad	1
dhamua	1
radaur	1
darbhaga	1
city	1
malhrpeth	1
dk	1
charhet	1
ballariy	1
purna	1
katangi	1
bhadrak	1
kalyanpur	1

nawada	1
bhavnath	1
amtala	1
alibag	1
pilani	1
chakdaha	1
umaria	1
adampur	1
sheikhopura	1
jaitpur	1
ghatampur	1
trivandrum	1
partur	1
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patharpratima	1
supaul	1
mernipadu	1
balangir	1
yellandu	1
raiganj	1
kalain	1
dongargarh	1
puri	1
nattrampalli	1
belgaum	1
narsampet	1
haringhata	1
dhosa	1
bangnan	1
narayangav	1
taki	1
venkateshwarapuram	1
pavagada	1
vishakpatnam	1
baramulla	1
chandrapur	1
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vetapalem	1
bulandshahar	1
ramanagara	1
ichalkaranji	1
abohar	1
kalimpong	1
kosgi	1
secunderabad	1
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dombivali	1
akbarpur	1
morbi	1
sambhal	1
tehsil	1
gurdaspur	1
purba	1
hanumangarh	1
hodal	1
simoga	1
vengadeshwarapuram	1
laxmeshwar	1
mashrakh	1
harayana	1
siddipet	1
murarai	1
domkal	1
naini	1
chanditala,	1
thoothukudi	1
mangalagiri	1
jahangir	1
rambha	1
panipat	1
karauli	1
chiplun	1
ghaziyabad	1
kalwa	1
rajsamand	1
bellari	1
gharghoda	1
amaravati	1
gangakhed	1
garrladhinna	1
manvi	1
sathyavedu	1
shahada	1
durgapur	1
bari	1
kendujhar	1
mavelikara	1
paradeep	1
bellampalle	1
lohaghat	1

angamaly	1
kargil	1
mohindergarh	1
dimapur	1
metpally	1
chinnasettipalli	1
rampurhat	1
lota	1
faizabad	1
barasat	1
hathras	1
akividu	1
koraput	1
shekhopura	1
khanna	1
gohana	1
chennai-88	1
raebareli	1
rohini	1
satara	1
balrampur	1
chhtarpur	1
sindhudurg	1
pollachi	1
bbsr	1
kaushambi	1
kalasa	1
tvm	1
khorda	1
gautam	1
del	1
anugul	1
om	1
robertsganj	1
bhuj	1
nowgong	1
town	1
harmu	1
goaltore	1
kulgam	1
srinivasapura	1
vardha	1
kolar	1
chrimiri	1
bhusawal	1
sardarshahar	1

amrabad	1
shahpura	1
kirti	1
balmpet	1
madanapalle	1
chandpur	1
firozabad	1
hasanpur	1
namsai	1
shivpuri	1
gollapudi,	1
sriganganagar	1
buldana	1
chengannur	1
biswan	1
siruguppa	1
b	1
sandaur	1
shamshabad	1
aluva	1
bellakonda	1
bhiwandi	1
tiruvannamali	1
rajasthan	1
siddhartha	1
dist-pune,	1
brackpore	1
mahuva	1
prayagraj	1
paratwada	1
khandala	1
sikar	1
belsar	1
nalgonda	1
kendrapada	1
dhuri	1
menhdawal	1
khurdha	1
kurseong	1
sidhmukh	1
badhan	1
perambalur	1
panel	1
madhupur	1
silvassa	1
satna	1

srivilliputhur	1
chirala	1
badrawathi	1
new	1
talwandi	1
kodumudi,	1
muzaffarnagar	1
aspur	1
amreli	1
jangaon	1
muradnagar,	1
cansaulim	1
ratlam	1
gudur	1
cherial	1
margherita	1
omerga	1
chauth	1
pachore	1
barkote	1
phek	1
bijnor	1
podili	1
purbamidnapur	1
najafgarh	1
dungerpur	1
narkanda	1
pakur	1
pulwama	1
jalandhar	1
kots	1
a.konduru	1
naroli	1
villikkam	1
jharkhand	1
dhenkanal	1
pangra	1
ranipet	1
padampur	1
arambagh	1
mayiladuthurai	1
preeti	1
najagarh	1
shahapur	1
baleswer	1
anthiyur	1

ramagarh	1
kanchapara	1
anakapalli	1
bardoli	1
purnea	1
sapuchetle	1
dapoli	1
berasia	1
pullur	1
siddharthnagar	1
chamba	1
cheenai	1
bonaigarh	1
bengalur	1
मरवटिया	1
mehrauli	1
barauni	1
kodakara	1
yavatmal	1
hyd	1
alipurduar	1
villupuram	1
kattangur	1
pedda	1
indapur	1
tirora,	1
chhindwara	1
sodam	1
malappuram	1
khatima	1
malout	1
ghazipur	1
orai	1
balagarh	1
jobat	1
jajpur	1
bellary	1
jamesdpur	1
somnaha	1
gccch	1

Name: Shipping City, dtype: int64

```
In [41]: data["LineItem Name"].value_counts()
```

Out[41]:	Reliance Jio Phone	285
	boAT Airdopes X3 Bass Wireless Earbuds with Charging Case (White)	131
	Boat Rockerz 255 Wireless Bluetooth Headset with Mic (Black)	122
	Sony PlayStation 2 Gaming Console PS2 150 GB Hard Disk With 50 Games Preloaded(Black)	117
	Yoshops VR BOX Virtual Reality Glasses Headset 2.0 View Suitable For 4-6 Inch Smartphones	83
	Reliance Jio Phone 2	81
	Boat Rockerz 530 Bluetooth Headphone with Mic (Carbon Black)	79
	Vmax HX 750 Quadcopter Drone (No Camera)	66
	Samsung Level U Bluetooth Wireless in-Ear Headphones With Mic (Black)	64
	HX-713 Remote Control Helicopter	55
	Vmax HX 750 Remote Control Flying Drone No Camera	53
	Zebronics External TV Tuner Card TL1010	49
	Sony PlayStation 3 Console Slim 320 GB (Black)	41
	1KG Chicken Biryani (Chennai)	33
	HX 750 Remote Control Flying Drone No Camera	30
	JBL Tempo On-Ear Headphone	29
	Barbie Doll (pink)	29
	Boat Nirvanaa Uno Wired In-ear Earphones with Mic (Black)	26
	Boat Rockerz 225 Plastic Wireless Bluetooth Headset with Mic (Black)	26
	Nokia BH-103 Bluetooth Stereo Headset with Mic	25
	BOSE Sound True SQ2 Headphones (White,Black,Red)	25
	JBL EARPHONE POUCH BLACK	25
	HX 750 Remote Control Flying Drone	23
	Drone Quadcopter 2.4G 6-Channel Without Camera	23
	Puppy House Coin Piggy Bank	23
	Mi Neckband Bluetooth Headset with Mic (Black)	23
	Super Power JCB Truck Construction Loader Excavator Crane Toys	21
	Zebronics ZEB-U740 UPS 600VA	20
	JBL Tempo On-Ear Headphone With Mic - J55iB (Black)	20
	VR BOX Virtual Reality Glasses Headset 2.0	19
	HX770 V-Max Aircraft Drone	18
	The Amazing Spider Man Micro Drone Q Series Hyun Lights Upgraded Quadcopter Headless Mode One Key Features	16
	Dell KB216 Multimedia USB Wired Keyboard	15
	JBL C100SI Wired Headphones (Black,Red,White)	15
	Boat Rockerz 335 STEREO EARPHONES (Black/Gold)	15
	Sony PlayStation PS2 with in-built DVD Player (Black)	14
	Spider Man Mini Drone	14
	Zebronics H-100HM Headphone with Mic	13
	Vmax Voyager HX756 Drones	12
	Lava Captain N1 Red	12
	Bluedio i4 Stereo Bluetooth Earphone	11
	Ear Wired Earphones With Mic White	11
	Barbie Doll Toy	11
	Zebronics ZEBVR100 Virtual Reality Kit VR box 3D 360 Degree	11
	Zebronics ZEB-VR Virtual Reality Headset VR BOX	10
	Zebion Gamepad	10

The Amazing Spider Man Q series 2.4GHz RC Quad-copter Drone	9
VMax HX763 Vision Drone	9
Hot Wheels Car 5 Gift Pack	9
Samsung U Flex Wireless Bluetooth Flexible Headphones with Mic (Black)	9
HX708 Remote Control Helicopter	9
boAt BassHeads 225 Wired Headphones with Mic and Carrying Case (Black)	8
Mobile Spare Part	8
BOSE Sound True SQ2 Headphones (White,Black,Red)	8
Samsung Earphones With Mic Tuned by AKG (Black)	8
Sony PlayStation PS3 Console Slim 320 GB (Black)	7
Sony MDR-G45LP On-Ear Street Wired Headphone	7
I Kall K-66 White	7
QUECHUA Laptop Bag	6
Sony EX31BN Noise-Cancelling Bluetooth® In-ear Headphones	6
Bose Quiet Comfort 20 Acoustic Noise Cancelling Headphones (Black)	6
S52 Durable King Drone No Camera	6
JBL C100SI Wired Headphones (Black, In the Ear)	6
Zebronics Radiant Multimedia Gaming Keyboard	6
Minions Mini Drone	6
Auto ePass 2003 FIPS USB Token	6
iBall Excelance CompBook 11.6-inch Laptop	5
Electric Steam Cooker Maestro MC1	5
Kasi yatra set silk cotton fabric decorated with rich kundans, brooches and laces	5
Lg Tone Pro Hbs-750 Bluetooth Headset	5
Zebronics Wireless Optical Mouse	5
VR BOX 2.0	5
QUECHUA Laptop Bag	5
Sony PlayStation 2 Gaming Console PS2 150 GB Hard Disk With 50 Games(Black)	5
1 Bucket Chicken Biryani Party Pack 5kg (Chennai)	5
Diabolo Captain America Civil War Q Series Hyun Lights Upgraded Mini Drone Without Camera	5
QUECHUA Ultra-Compact Backpack10-Litre - Black	5
HX-715 Flying Helicopter With Remote Control Toy	5
MitSonic 20 Inches (53 cm) FULL HD Gorilla Glass LED TV	5
Sony PlayStation PS2 Gaming Console PS2 150 GB Hard Disk With 50 Games Preloaded(Black)	5
Navigator Quadcopter Remote Control Drone	4
MI 10000mAh Li-Polymer Power Bank (Black)	4
Sony PlayStation 2 Console(PS2) With 50 Games	4
Zebronics BH330 Bluetooth Headphones	4
QY66 D1 Drone - 6 Axis Gyro RC Quadcopter - No camera	4
Bose Sound True SQ2 Noise Cancelling Headphones	4
1KG Chicken Biryani	4
YO Earpods With Mic Compatible with Apple Phone	4
Samsung Universal Mobile Charger USB Power Wall Adapter	4
Flying Helicopter With Remote Control Toy	4
Rosra Black Analog Watch	3
Barbie Doll Toy Combo pack(2 Pack)	3

YoShops Multi Pin Cable 4in1	3
MitSonic 16 inches (40cm) FULL HD Gorilla Glass LED TV	3
Zebion Ergo Wireless Slim Fit G1600 Keyboard and Mouse	3
MitSonic MT2001 20 Inches (53cm) FULL HD LED Television	3
JBL C100SI Wired Headphones (Black,Red,White,Blue)	3
Magic Tracks Bend Flex & Glow Racetrack with LED Flashing Race Cars Battery Operated	3
Quarter Chicken Biryani (Chennai)	3
Sony PlayStation 2 Console(PS2 150 GB) With 50 Games	3
QUECHUA Mini Laptop Bag 10 Liter- Red/Black	3
Zebronics Blue Bird Bluetooth Earphones	3
Boat BassHeads 160 with Mic Wired Stereo Headset (Black)	3
VMax HX763 Vision Drone 2.4GHz RC Quad-copter Headless Mode One Key Without Camera	3
Drone Workshop Training Program	3
Preethi Essence Juicer	3
Preethi Zodiac MG 218 750-Watt Mixer Grinder with 5 Jars Black	3
Sony PS4 Slim 1TB Console 1000 GB (Black)	3
QUECHUA Travel Multi-Compartment Pouch - Brown	2
Super Aeroplanist Power Aeroplane Wired Rotating Plane	2
Y0-100 Wireless Mouse	2
Sony MDR-EX250AP In-Ear Headphones with Mic (Black)	2
Cash On Delivery Services	2
King Driver Remote Control Car	2
Preethi Trendy Plus Induction Cooktop	2
Chhota Bheem Remote Control Car	2
Preethi Drip cafe Coffee Maker	2
1KG Chicken Biryani	2
Laptop Spare Parts	2
Mi Wired Headphones with Mic Ultra-Deep Bass (Black)	2
VMax Vision HX763 Drone Remote Control Quadrocopter	2
Yo145 OTG Cable	2
Chicken Pakora-200Gm (Chennai)	2
MitSonic 16 inches (40cm) FULL HD LED TV	2
3 Wheeled Scooter For Kids	2
SONY PlayStation PS4 PRO 1TB Hard Disk(Black)	2
Digital Signature Certificate (DSC) Class 2 valid for 2 Years with USB Device	2
BOROLINE ANTISEPTIC CREAM Combo	2
DOMYOS S500 Boys Gym Sports Half-Sleeved T-Shirt (Grey)	2
Mitsun MIT2210 20 Inches (51cm) HD Ready Ultra Slim Gorilla Glass LED TV	2
Barbie Doll	2
Celkon C107 Black	2
PREETHI GALAXY 750 WATTS MIXER GRINDER (PINK)	2
AmbranePowerBank P-1310	2
LED TV Installation Uninstall Repair Services	2
Zebronics SAGA Portable Bluetooth wireless speaker	2
Boat Super EXTRA BASS HEADS 225 WIRED WITH MIC (Black)	2
Sandisk 16 GB Utility Pendrive -Black	2

boAt BassHeads 229 Metal Earphones Hifi Stereo Headsets Metal Headphones With Mic	2
SAMSUNG Travel Adapter White Battery Charger	2
Boat Rockerz 225 Metal Wireless Bluetooth Headset with Mic (Black)	2
CHOTTA BHEEM Mini English learning laptop	2
Toy Gundam Robot with Gun (Red)	2
Wedding Doll Toy	1
JBL SH12 WIRELESS HEADPHONE	1
Flying Helicopter With Remote Control	1
Bubly Belly Matic SS Pressure Cooker	1
AmbranePowerBank P-1111(white,Blue)	1
SAMSUNG Travel Adapter EP-TA13IWEUGIN White Battery Charger (White)	1
Wedding Dolls	1
YO- Earphones With Mic White	1
Organic Raw Honey 250Gms	1
Zebronics 18.5 inch Full HD LED Monitor	1
Wireless Mouse,Multi Charger, Universal Adaptor,Head Phone with Mic,Laptop Led Light	1
Mutton Biryani	1
Movers Packer Service	1
Lenovo IdeaPad 100S-11 11.6-inch Laptop	1
Computer Repair Services	1
Micromax Canvas Lapbook	1
Designer Gown By ZARA	1
Zebronics 2400 mAh Power Bank - White	1
Philip SHQ2305WS Wired Headphones (Black,White)	1
REALME Buds Air Tone Wireless Headphone	1
Zebronics Card Reader VR BOX Special Combo	1
Philip SHQ2305WS Wired Headphones (Black, In the Ear)	1
Yo 400 Wire Less Headphones (Bluetooth)	1
DIGISonic DS1601 42cm (16) FULL HD LED Television	1
Sony AS210 Sports In-ear Headphones	1
Nova NHC-3791 Electric Hair Trimmer (Black)	1
Combo Meal Chicken Biryani (Chennai)	1
Boat BassHeads 250 with Hifi Sound Effect, in-line mic, Clear Human Voice,Noise Isolation With Precise Bass Wired Earphones (Black)	1
Zebronics ZEB-16A 16 inch (39.6 cm) LED Monitor Full HD	1
VMax HX763 Vision Drone 2.4GHz RC Quad-copter Headless Mode One Key Features 6 Axis Stabilization System Gyro 4 Channel	1
Captain America 2.4GHz RC Quad-copter Drone	1
KIPSTA Light Sports Bag 15 Litres - Blue	1
Zebion Ergo PS2 USB Keyboard (Black and Red Keys)	1
Mitsonic 24 Inches (60 cm) Full HD Gorilla Glass LED TV	1
Casio MJ-12SA Desktop Calculator -Black	1
Ultra Thin Keyboard Cover for Laptop Keyboard	1
ZEBRONICS All-In-One USB Card Reader	1
Combo Set of 6 Pull Back Toy Car Small	1
Preethi X Pro Duo 1300 Watts Mixer Grinder Color(Purple)	1
Cheetah Construction Truck with Flash Excavator	1
Boat BassHeads 225 Super Extra Bass Headphone (Black)	1

Sales and Marketing Internship Training Course	1
Zebronics ZEB-EM750 Headphone with Mic	1
Train With Track light music battery operated train toy	1
MitSonic MT2001 53cm (20) FULL HD LED Television	1
MitSonic 20 Inches (53 cm) FULL HD LED TV	1
Preethi SPICE 550W 3 JAR MIXER GRINDER	1
Casio DR-140TM Printing Calculator	1
Boat BASS HEADS 152 (Black)	1
Mushrooms Button 250 gm	1
Toy Family Doll House Set	1
Bose Earphone With Pouch Black	1
MitSonic 16 inches (40cm) LED TV	1
Funny Bricks and Blocks Set	1
Bulldozer Hercules Power Driving Super Truck (Yellow)	1
Skullcandy Earphone With Pouch Bag	1
Realme R-260 WIRE LES HEADPHONES	1
Casio HR-100RC Printing Calculator	1
Vmax Voyager HX756 Drones Without Camera	1
Chicken Biryani Plate(Chennai)	1
Home Nursing Service	1
Inteligent cute white tom cat with touch recording story & music	1
Samsung-Metro-350-White	1
Name: LineItem Name, dtype: int64	

```
In [42]: def enter5():
plt.figure(figsize=(15,250))
data['LineItem Name'].value_counts().plot.barh()
plt.title('Popular Product')
plt.xlabel('Product')
plt.ylabel('Count')
plt.savefig("PopularProduct_report.pdf", format="pdf", bbox_inches="tight")
plt.show()
```

```
In [43]: data.head()
```


Out[43]:

	Order #	Order Date and Time Stamp	Fulfillment Status	Payment Status	Currency	Subtotal	Shipping Method	Shipping Cost	Taxes	Total	Discount	Shipping Name	Shipping Country	Shipping Street Address	Shipping Street Address 2
0	R929392577	09-11-2020 20:36:26 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Neetu Yadav	IND	Sec-86 nawada fatehpur, postoffice-Sikanderpur...	Data Not Available
1	R653462960	09-11-2020 20:18:26 +0530	Unfulfilled	Unpaid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Lucky Koli	IND	Nashik	Nashik n
2	R226302759	09-11-2020 19:56:21 +0530	Unfulfilled	Unpaid	INR	₹ 799.00	Ships Free	₹ 0.00	₹ 0.00	₹ 799.00	₹ 0.00	Raghu A	IND	Madhuranagar 2nd stage hostel	Rbw apartment
3	R390235057	09-11-2020 19:37:40 +0530	Unfulfilled	Unpaid	INR	₹ 599.00	Ships Free	₹ 0.00	₹ 0.00	₹ 599.00	₹ 0.00	Hemant Vaishnav	IND	Civil line near lic office	Data Not Available
4	R813855117	09-11-2020 18:35:47 +0530	Cancelled	Paid	INR	₹ 699.00	Ships Free	₹ 0.00	₹ 0.00	₹ 699.00	₹ 0.00	Munna mumar Munna	IND	Nps thakur sthan Rajgir	Data Not Available

In [44]: data["Order Date and Time Stamp"][0]

Out[44]: '09-11-2020 20:36:26 +0530'

In [45]: data["Order Date"] = data["Order Date and Time Stamp"].apply(lambda x:x.split(' ')[0])
data["Order Time"] = data["Order Date and Time Stamp"].apply(lambda x:x.split(' ')[1])
data["Order TimeStamp"] = data["Order Date and Time Stamp"].apply(lambda x:x.split(' ')[2])

```
In [46]: data = data.drop(columns = ['Order Date and Time Stamp'])
```

```
In [47]: data["Order Date"] = pd.to_datetime(data["Order Date"],format='%d-%m-%Y')
```

```
In [48]: data["Order Year"] = pd.DatetimeIndex(data["Order Date"]).year  
data["Order Month"] = pd.DatetimeIndex(data["Order Date"]).month
```

```
In [49]: data[["Order Year","Order Month"]].value_counts()
```

```

Out[49]:
Order  Year  Order  Month
2020      10      600
      9      224
      11     167
      7     163
      8     156
      6     123
      5      78
      3      69
      4      46
2016      10      46
2017      4      38
2018      8      38
      9      29
      7      28
      10     28
      3      27
2019      5      25
2018      11     23
2019      1      22
2020      2      20
2019      3      20
2018      2      19
2019      10     19
      4      18
      9      17
      2      16
2018      5      16
2019      11     16
      6      16
      7      15
      12     13
2018      6      13
      4      13
2019      8      13
2017      2      12
      11     12
      3      11
      12     10
2018      12     10
2020      1      9
2017      7      8
      10     8
2016      11     8
2018      1      7
2017      9      7

```

```

2016      12      6
2017      8      4
      5      3
      1      3
2016      9      3
2017      6      2
dtype: int64

```

```
In [50]: data["Order Year"].value_counts()
```

```

Out[50]: 2020      1655
2018       251
2019       210
2017       118
2016        63
Name: Order Year, dtype: int64

```

```

In [51]: def enter7():
plt.figure(figsize = [9,7])
mylables = ['2020', '2018', '2019', '2017', 2016]
plt.pie(data["Order Year"].value_counts(),startangle=90,labels = mylables,autopct='%1.0f%%')
plt.title('Yearwise Order')
plt.legend()
plt.savefig("Yearwise_order_report.pdf", format="pdf", bbox_inches="tight")
plt.show()

```

```

In [52]: def enter8():
fig = px.bar(data, x="Order Month",y="Order Year",color="Order Year", title="Order MonthWise Analysis")
fig.write_image("orderMonthWise.pdf")
fig.show()

```

```
In [53]: review.head()
```

```

Out[53]:

```

	product_name	product_url	category	status	stars
0	Sony PlayStation PS2 Gaming Console 150 GB Har...	https://yoshops.com/products/sony-playstation-...	Toys & Games	Reviewd	5.0
1	Vmax HX 750 Quadcopter Drone (No Camera)	https://yoshops.com/products/hx-750-remote-con...	Toys & Games	Reviewd	5.0
2	Yoshops VR BOX Virtual Reality Glasses Headset...	https://yoshops.com/products/yoshops-vr-box-vi...	Toys & Games	Reviewd	5.0
3	Sony PlayStation PS3 Console Slim 320 GB (Black)	https://yoshops.com/products/sony-playstation-...	Toys & Games	Reviewd	4.9
4	Barbie Doll (pink)	https://yoshops.com/products/barbie-doll	Toys & Games	Reviewd	4.9

```
In [54]: review.stars.value_counts()
```

```
Out[54]: 0.0    1255
         5.0     499
         4.9     33
         4.5     16
         4.8     13
         4.7      8
         4.6      7
         4.3      7
         4.2      7
         3.0      6
         4.0      4
         2.3      4
         3.3      2
Name: stars, dtype: int64
```

```
In [55]: def reviewRank(x):
         if x >= 3.0:
             return "Positive"
         else:
             return "Negative"
```

```
In [56]: review["reviewRank"] = review.stars.apply(reviewRank)
```

```
In [57]: review.head()
```

```
Out[57]:
```

	product_name	product_url	category	status	stars	reviewRank
0	Sony PlayStation PS2 Gaming Console 150 GB Har...	https://yoshops.com/products/sony-playstation-...	Toys & Games	Reviewd	5.0	Positive
1	Vmax HX 750 Quadcopter Drone (No Camera)	https://yoshops.com/products/hx-750-remote-con...	Toys & Games	Reviewd	5.0	Positive
2	Yoshops VR BOX Virtual Reality Glasses Headset...	https://yoshops.com/products/yoshops-vr-box-vi...	Toys & Games	Reviewd	5.0	Positive
3	Sony PlayStation PS3 Console Slim 320 GB (Black)	https://yoshops.com/products/sony-playstation-...	Toys & Games	Reviewd	4.9	Positive
4	Barbie Doll (pink)	https://yoshops.com/products/barbie-doll	Toys & Games	Reviewd	4.9	Positive

```
In [58]: def enter1():
         labels = ["Reviewed","Not Reviewed"]
         colors = sns.color_palette('pastel')[0:2]
         plt.pie(review.status.value_counts(), labels = labels, colors = colors, autopct='%0f%%',explode=[0.05]*2)
         plt.savefig("Reviews_report.pdf", format="pdf", bbox_inches="tight")
         plt.show()
```

```
In [59]: dfCat = pd.pivot_table(data = review, values = "stars",index="category",columns = "reviewRank",aggfunc = np.mean)
```


Out[59]:

	reviewRank	Negative	Positive
--	------------	----------	----------

category			
Accessories	0.000000	4.919231	
Auto spare parts	0.000000	5.000000	
Bags	0.000000	5.000000	
Bengaluru	0.000000	4.990000	
Biryani	0.000000	5.000000	
Blog Sponsorship	0.000000	5.000000	
Books	0.000000	NaN	
Chennai	0.000000	4.990000	
Computers Accessories	0.000000	4.950000	
Drones	0.000000	4.750000	
Electronics	0.000000	4.816667	
Face Makeup	0.000000	5.000000	
Fashion	0.000000	4.988000	
Feature Keypad Mobiles	0.000000	4.800000	
Foods	0.000000	5.000000	
Gaming Accessories	0.069697	4.975000	
Gaming Laptops	NaN	4.100000	
Headphones	0.000000	4.858824	
Home & Kitchen	0.000000	4.916667	
Instagram Sponsorship	0.000000	5.000000	
Irons	0.000000	4.500000	
Kids	0.000000	5.000000	
Kids Clothing	0.000000	NaN	
Laptop Accessories	0.000000	4.942857	
Laptop spare parts	0.000000	5.000000	
Laptops	0.000000	4.820000	

	reviewRank	Negative	Positive
category			
Led TV	0.000000	5.000000	
Men	0.000000	5.000000	
Men Clothing	0.000000	NaN	
Men's Footwear	0.000000	5.000000	
Mixer Grinder Juicer	0.000000	5.000000	
Mobile Spare Parts	0.000000	5.000000	
Mobiles	0.021495	4.817857	
Mobiles Accessories	0.045098	4.815789	
More	0.000000	5.000000	
Mumbai	0.000000	4.990000	
Non Veg	0.000000	5.000000	
Online Live Tuition	0.000000	5.000000	
Organic foods	0.000000	NaN	
Others	0.000000	4.900000	
PCD Pharma Franchise	0.000000	NaN	
Personal Care	0.000000	4.985000	
Personal Laptops	NaN	4.100000	
PlayStation	0.000000	4.966667	
RC Toys	0.000000	4.983333	
Seafood	0.000000	NaN	
Services	0.000000	4.990000	
Shoes	0.000000	5.000000	
Smartphones	0.000000	4.400000	
Soft Toys	0.000000	NaN	
SpareParts	0.000000	4.866667	
Sponsorship Marketing	0.000000	5.000000	

	reviewRank	Negative	Positive
category			
Stationery	0.000000	NaN	
Sunglasses	0.000000	NaN	
Tablets	0.000000	4.333333	
Toys & Games	0.042593	4.882353	
Training Internship Work From Home	0.000000	5.000000	
Vegetable	0.000000	NaN	
Watches	0.000000	NaN	
Women Clothing	0.000000	NaN	
Womens	0.000000	4.985000	
YouTube Sponsorship	0.000000	5.000000	

```
In [60]: def enter6():
plt.figure(figsize = (30,15))
sns.heatmap(dfCat,annot=True)
plt.title('to see the analysis of Reviews for All Product Categories')
plt.savefig("Review_product_category_report.pdf", format="pdf", bbox_inches="tight")
plt.show()
```

```
In [61]: def enter9():
fig = px.bar(data, x="LineItem Name",y="Order Year",color="Order Year", title="Order MonthWise Analysis")
fig.write_image("ProductMonthWise.pdf")
fig.show()
```

```
In [62]: print(""" Create EDA using Test Data file(Yoshops.com Sale Order file) :
Input Value for genrate Graph chart:
Enter 1 to see the analysis of Reviews given by Customers
Enter 2 to see the analysis of different payment methods used by the Customers
Enter 3 to see the analysis of Top Consumer States of India
Enter 4 to see the analysis of Top Consumer Cities of India
Enter 5 to see the analysis of Top Selling Product Categories
Enter 6 to see the analysis of Reviews for All Product Categories
Enter 7 to see the analysis of Number of Orders Per Month Per Year
Enter 8 to see the analysis of Reviews for Number of Orders Per Month Per Year
Enter 9 to see the analysis of Number of Orders Across Parts of a Day
Enter 10 to see the Full Report """)
```

```
output = int(input("Enter the number to see the analysis of your choice:"))
```

Create EDA using Test Data file(Yoshops.com Sale Order file) :

Input Value for generate Graph chart:

Enter 1 to see the analysis of Reviews given by Customers

Enter 2 to see the analysis of different payment methods used by the Customers

Enter 3 to see the analysis of Top Consumer States of India

Enter 4 to see the analysis of Top Consumer Cities of India

Enter 5 to see the analysis of Top Selling Product Categories

Enter 6 to see the analysis of Reviews for All Product Categories

Enter 7 to see the analysis of Number of Orders Per Month Per Year

Enter 8 to see the analysis of Reviews for Number of Orders Per Month Per Year

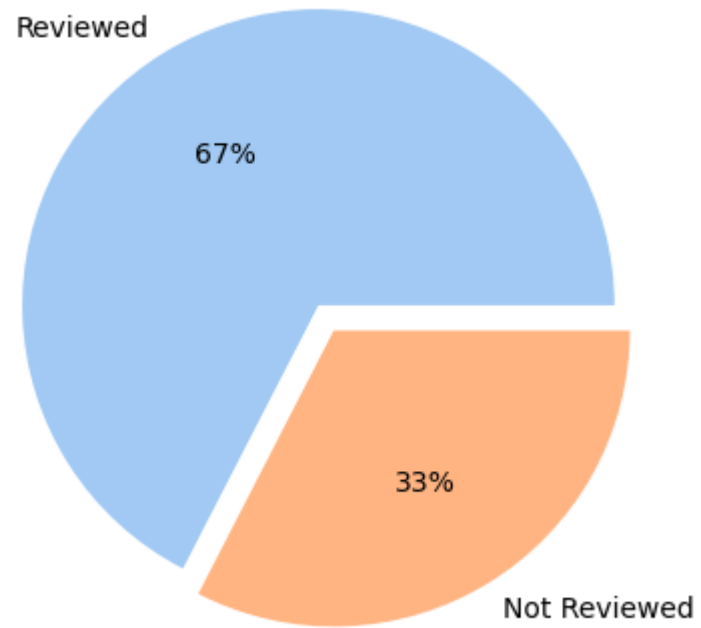
Enter 9 to see the analysis of Number of Orders Across Parts of a Day

Enter 10 to see the Full Report

Enter the number to see the analysis of your choice:1

```
In [63]: if output == 1:
          enter1()
        elif output ==2:
          enter2()
        elif output ==3:
          enter3()
        elif output ==4:
          enter4()
        elif output ==5:
          enter5()
        elif output ==6:
          enter6()
        elif output ==7:
          enter7()
        elif output ==8:
          enter8()
        elif output ==9:
          enter9()
        elif output ==10:
          enter1()
          enter2()
          enter3()
          enter4()
          enter5()
          enter6()
          enter7()
          enter8()
          enter9()
```

```
else:  
    print("Enter Valid Number")
```



In []: