Sales Analysis

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

Merging all the 12 months data into a single dataframe

```
In [2]: files = [file for file in os.listdir('Pandas-Data-Science-Tasks-master/Pandas-Data-Science-Tasks-master/SalesAnalysis/Sales_Data')]
    all_months_data = pd.DataFrame()
    for file in files:
        df = pd.read_csv('Pandas-Data-Science-Tasks-master/Pandas-Data-Science-Tasks-master/SalesAnalysis/Sales_Data/' + file)
        all_months_data = pd.concat([all_months_data,df])
    all_months_data.to_csv('all_data.csv', index = False)
```

Reading in updated dataframe

```
In [3]: all_data = pd.read_csv('all_data.csv')
    all_data.head()
```

Out[3]:		Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address
	0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001
	1	NaN	NaN	NaN	NaN	NaN	NaN
	2	176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215
	3	176560	Google Phone	1	600	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001
	4	176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001

```
In [4]: nan_df = all_data[all_data.isna().any(axis=1)]
    nan_df
```

	Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address
1	NaN	NaN	NaN	NaN	NaN	NaN
356	NaN	NaN	NaN	NaN	NaN	NaN
735	NaN	NaN	NaN	NaN	NaN	NaN
1433	NaN	NaN	NaN	NaN	NaN	NaN
1553	NaN	NaN	NaN	NaN	NaN	NaN
•••						
185176	NaN	NaN	NaN	NaN	NaN	NaN
185438	NaN	NaN	NaN	NaN	NaN	NaN
186042	NaN	NaN	NaN	NaN	NaN	NaN
186548	NaN	NaN	NaN	NaN	NaN	NaN
186826	NaN	NaN	NaN	NaN	NaN	NaN

545 rows × 6 columns

Out[4]

Cleaning Up the data

Droping Nan

```
In [5]: all_data = all_data.dropna(how='all')
all_data.head()
```

ut[5]:		Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address
	0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001
	2	176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215
	3	176560	Google Phone	1	600	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001
	4	176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001
	5	176561	Wired Headphones	1	11 99	04/30/19 09:27	333 8th St. Los Angeles CA 90001

Finding errors in dataframe 'Or'

```
In [6]: temp_df = all_data[all_data['Order Date'].str[0:2] == 'Or']
temp_df
```

Out[6]: Order ID Product Quantity Ordered Price Each Order Date Purchase Address Price Each **519** Order ID Product **Quantity Ordered** Order Date **Purchase Address** Order ID 1149 Product **Quantity Ordered** Price Each Order Date **Purchase Address** Order ID Product **Quantity Ordered** Price Each Order Date **Purchase Address** Order ID Product **Quantity Ordered** Price Each Order Date **Purchase Address Quantity Ordered** 2893 Order ID Product Price Each Order Date **Purchase Address** 185164 Order ID Product **Quantity Ordered** Price Each Order Date **Purchase Address** 185551 Order ID Product **Quantity Ordered** Price Each Order Date **Purchase Address** 186563 Order ID Product **Quantity Ordered** Price Each Order Date **Purchase Address Purchase Address 186632** Order ID Price Each Order Date Product **Quantity Ordered 186738** Order ID Product Quantity Ordered Price Each Order Date Purchase Address

355 rows × 6 columns

Removing of 'Or' error

```
In [7]: all_data = all_data[all_data['Order Date'].str[0:2] != 'Or']
all_data
```

Out[7]:		Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address
	0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001
2		176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215
	3	176560	Google Phone	1	600	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001
4		176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001
	5	176561	Wired Headphones	1	11.99	04/30/19 09:27	333 8th St, Los Angeles, CA 90001
	186845	259353	AAA Batteries (4-pack)	3	2.99	09/17/19 20:56	840 Highland St, Los Angeles, CA 90001
	186846	259354	iPhone	1	700	09/01/19 16:00	216 Dogwood St, San Francisco, CA 94016
	186847	259355	iPhone	1	700	09/23/19 07:39	220 12th St, San Francisco, CA 94016
	186848	259356	34in Ultrawide Monitor	1	379.99	09/19/19 17:30	511 Forest St, San Francisco, CA 94016
	186849	259357	USB-C Charging Cable	1	11.95	09/30/19 00:18	250 Meadow St, San Francisco, CA 94016

185950 rows × 6 columns

Converting columns to correct types

```
In [8]: all_data['Quantity Ordered'] = pd.to_numeric(all_data['Quantity Ordered'])
all_data['Price Each'] = pd.to_numeric(all_data['Price Each'])
```

Adding additional colums

Task 2: Adding month column

```
In [9]: all_data['Month']= all_data['Order Date'].str[0:2]
    all_data['Month'] = all_data['Month'].astype('int32')
    all_data
```

Out[9]:		Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address	Month
	0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001	4
	2	176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215	4
	3	176560	Google Phone	1	600.00	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001	4
	4	176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001	4
	5	176561	Wired Headphones	1	11.99	04/30/19 09:27	333 8th St, Los Angeles, CA 90001	4
	186845	259353	AAA Batteries (4-pack)	3	2.99	09/17/19 20:56	840 Highland St, Los Angeles, CA 90001	9
	186846	259354	iPhone	1	700.00	09/01/19 16:00	216 Dogwood St, San Francisco, CA 94016	9
	186847	259355	iPhone	1	700.00	09/23/19 07:39	220 12th St, San Francisco, CA 94016	9
	186848	259356	34in Ultrawide Monitor	1	379.99	09/19/19 17:30	511 Forest St, San Francisco, CA 94016	9
	186849	259357	USB-C Charging Cable	1	11.95	09/30/19 00:18	250 Meadow St, San Francisco, CA 94016	9

185950 rows \times 7 columns

Task 3: Adding a Sales Column

```
In [10]:
          all_data['Sales'] = all_data['Quantity Ordered'] * all_data['Price Each']
           all_data.head()
Out[10]:
              Order ID
                                           Product Quantity Ordered Price Each
                                                                                    Order Date
                                                                                                                Purchase Address Month
                                                                                                                                           Sales
               176558
                               USB-C Charging Cable
                                                                          11.95 04/19/19 08:46
                                                                                                         917 1st St, Dallas, TX 75001
                                                                                                                                           23.90
               176559
                       Bose SoundSport Headphones
                                                                          99.99
                                                                                04/07/19 22:30
                                                                                                  682 Chestnut St, Boston, MA 02215
                                                                                                                                           99.99
           3
               176560
                                      Google Phone
                                                                   1
                                                                                04/12/19 14:38 669 Spruce St, Los Angeles, CA 90001
                                                                                                                                       4 600.00
               176560
                                 Wired Headphones
                                                                   1
                                                                                04/12/19 14:38 669 Spruce St, Los Angeles, CA 90001
                                                                                                                                       4 11.99
                                                                   1
               176561
                                 Wired Headphones
                                                                          11.99 04/30/19 09:27
                                                                                                   333 8th St, Los Angeles, CA 90001
                                                                                                                                       4 11.99
```

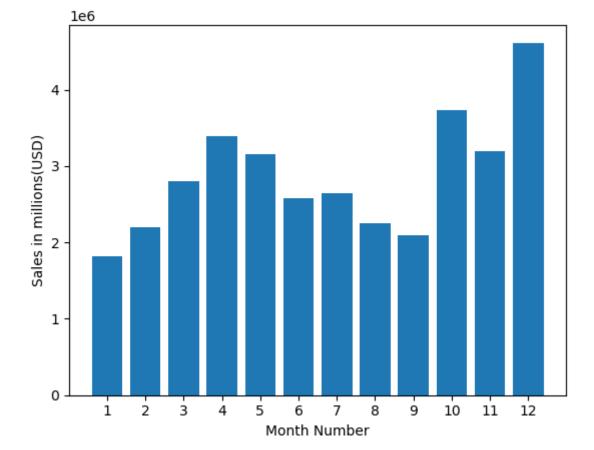
Task 4: Add a City Column

:		Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address	Month	Sales	City Name
	0	176558	USB-C Charging Cable	2	11.95	04/19/19 08:46	917 1st St, Dallas, TX 75001	4	23.90	Dallas (TX)
	2	176559	Bose SoundSport Headphones	1	99.99	04/07/19 22:30	682 Chestnut St, Boston, MA 02215	4	99.99	Boston (MA)
	3	176560	Google Phone	1	600.00	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001	4	600.00	Los Angeles (CA)
	4	176560	Wired Headphones	1	11.99	04/12/19 14:38	669 Spruce St, Los Angeles, CA 90001	4	11.99	Los Angeles (CA)
	5	176561	Wired Headphones	1	11.99	04/30/19 09:27	333 8th St, Los Angeles, CA 90001	4	11.99	Los Angeles (CA)

Data Exploration

Question 1: What was the best month for sales? How much was earned that month?

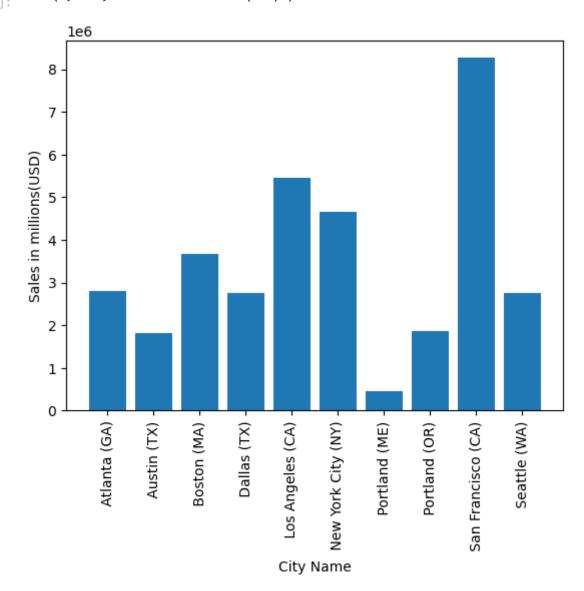
```
results = all_data.groupby('Month').sum()['Sales']
In [12]:
          results
         Month
Out[12]:
                1822256.73
                2202022.42
          3
                2807100.38
          4
                3390670.24
          5
                3152606.75
          6
                2577802.26
                2647775.76
          8
                2244467.88
          9
                2097560.13
          10
                3736726.88
                3199603.20
          11
          12
                4613443.34
          Name: Sales, dtype: float64
In [13]: import matplotlib.pyplot as plt
          %matplotlib inline
          months = range(1,13)
          plt.bar(months, results)
          plt.xticks(months)
          plt.xlabel('Month Number')
          plt.ylabel('Sales in millions(USD)')
Out[13]: Text(0, 0.5, 'Sales in millions(USD)')
```



Question 2:What city had the highest number of sales?

```
In [14]:
          results = all_data.groupby('City Name').sum()['Sales']
          results
         City Name
Out[14]:
          Atlanta (GA)
                                 2795498.58
          Austin (TX)
                                 1819581.75
          Boston (MA)
                                 3661642.01
          Dallas (TX)
                                 2767975.40
          Los Angeles (CA)
                                 5452570.80
          New York City (NY)
                                 4664317.43
          Portland (ME)
                                  449758.27
          Portland (OR)
                                 1870732.34
          San Francisco (CA)
                                 8262203.91
          Seattle (WA)
                                 2747755.48
          Name: Sales, dtype: float64
In [15]: import matplotlib.pyplot as plt
          %matplotlib inline
          # To match the city name correctly with the values of sales
          cities = [city for city, df in all_data.groupby('City Name')]
          plt.bar(cities, results)
          plt.xticks(cities, rotation = 'vertical')
          plt.xlabel('City Name')
          plt.ylabel('Sales in millions(USD)')
```

Text(0, 0.5, 'Sales in millions(USD)') Out[15]:



Question 3: What time should we display advertisements to maximize likelihood of customers buying products?

```
In [16]: all_data['Order Date'] = pd.to_datetime(all_data['Order Date'])
    all_data['Hour'] = all_data['Order Date'].dt.hour
    all_data['Minute'] = all_data['Order Date'].dt.minute
    all_data.head()
```

Out[16]:

:	Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address	Month	Sales	City Name	Hour	Minute
) 176558	USB-C Charging Cable	2	11.95	2019-04-19 08:46:00	917 1st St, Dallas, TX 75001	4	23.90	Dallas (TX)	8	46
2	2 176559	Bose SoundSport Headphones	1	99.99	2019-04-07 22:30:00	682 Chestnut St, Boston, MA 02215	4	99.99	Boston (MA)	22	30
3	3 176560	Google Phone	1	600.00	2019-04-12 14:38:00	669 Spruce St, Los Angeles, CA 90001	4	600.00	Los Angeles (CA)	14	38
	4 176560	Wired Headphones	1	11.99	2019-04-12 14:38:00	669 Spruce St, Los Angeles, CA 90001	4	11.99	Los Angeles (CA)	14	38
!	5 176561	Wired Headphones	1	11.99	2019-04-30 09:27:00	333 8th St, Los Angeles, CA 90001	4	11.99	Los Angeles (CA)	9	27

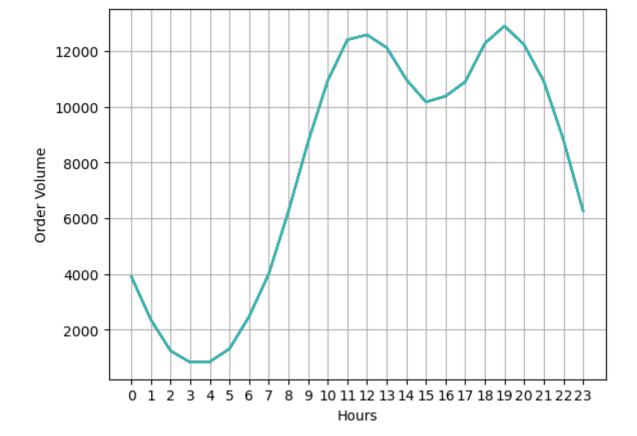
In [17]: results = all_data.groupby('Hour').count()
 results

Out[17]:

	Order ID	Product	Quantity Ordered	Price Each	Order Date	Purchase Address	Month	Sales	City Name	Minute
Hou	•									
C	3910	3910	3910	3910	3910	3910	3910	3910	3910	3910
1	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350
2	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
3	831	831	831	831	831	831	831	831	831	831
4	854	854	854	854	854	854	854	854	854	854
5	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321
6	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482
7	4011	4011	4011	4011	4011	4011	4011	4011	4011	4011
8	6256	6256	6256	6256	6256	6256	6256	6256	6256	6256
9	8748	8748	8748	8748	8748	8748	8748	8748	8748	8748
10	10944	10944	10944	10944	10944	10944	10944	10944	10944	10944
11	12411	12411	12411	12411	12411	12411	12411	12411	12411	12411
12	12587	12587	12587	12587	12587	12587	12587	12587	12587	12587
13	12129	12129	12129	12129	12129	12129	12129	12129	12129	12129
14	10984	10984	10984	10984	10984	10984	10984	10984	10984	10984
15	10175	10175	10175	10175	10175	10175	10175	10175	10175	10175
16	10384	10384	10384	10384	10384	10384	10384	10384	10384	10384
17	10899	10899	10899	10899	10899	10899	10899	10899	10899	10899
18	12280	12280	12280	12280	12280	12280	12280	12280	12280	12280
19	12905	12905	12905	12905	12905	12905	12905	12905	12905	12905
20	12228	12228	12228	12228	12228	12228	12228	12228	12228	12228
21	10921	10921	10921	10921	10921	10921	10921	10921	10921	10921
22	8822	8822	8822	8822	8822	8822	8822	8822	8822	8822
23	6275	6275	6275	6275	6275	6275	6275	6275	6275	6275

```
In [18]: Hours = [hour for hour, df in all_data.groupby('Hour')]

plt.plot(Hours,results)
plt.xticks(Hours)
plt.xlabel('Hours')
plt.ylabel('Order Volume')
plt.grid()
```



Question 4: What products are most often sold together?

```
df = all_data[all_data['Order ID'].duplicated(keep = False)]
          df['Grouped'] = df.groupby('Order ID')['Product'].transform(lambda x: ','.join(x))
          df = df[['Order ID', 'Grouped']]. drop_duplicates()
          df.head(25)
          C:\Users\SOUPTIK DAS\AppData\Local\Temp\ipykernel 13928\1318596486.py:3: SettingWithCopyWarning:
          A value is trying to be set on a copy of a slice from a DataFrame.
          Try using .loc[row_indexer,col_indexer] = value instead
          See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
            df['Grouped'] = df.groupby('Order ID')['Product'].transform(lambda x: ','.join(x))
                                                           Grouped
Out[19]:
               Order ID
            3
                176560
                                        Google Phone, Wired Headphones
                                     Google Phone, USB-C Charging Cable
                176574
           18
                176585 Bose SoundSport Headphones, Bose SoundSport Hea...
           32
                176586
                                     AAA Batteries (4-pack), Google Phone
                176672
                             Lightning Charging Cable, USB-C Charging Cable
          119
```

```
129
       176681
                         Apple Airpods Headphones, Think Pad Laptop
                Bose SoundSport Headphones, AAA Batteries (4-pack)
138
       176689
189
       176739
                               34in Ultrawide Monitor, Google Phone
       176774
                     Lightning Charging Cable, USB-C Charging Cable
225
                                   iPhone,Lightning Charging Cable
233
       176781
                Google Phone, Bose Sound Sport Headphones, Wired ...
250
       176797
       176805
                               Google Phone, USB-C Charging Cable
260
264
       176808
                                  Google Phone, Wired Headphones
270
       176813
                                  Google Phone, Wired Headphones
       176935
                            AAA Batteries (4-pack),27in FHD Monitor
394
                        USB-C Charging Cable, AAA Batteries (4-pack)
                               Google Phone, USB-C Charging Cable
450
       176989
                                         iPhone,Wired Headphones
455
       176993
                                         iPhone,Wired Headphones
       177022
485
       177102
                                    iPhone,27in 4K Gaming Monitor
567
                                   iPhone,Lightning Charging Cable
581
       177115
                             ThinkPad Laptop,AAA Batteries (4-pack)
       177117
584
                   iPhone, Apple Airpods Headphones, AAA Batteries ...
635
       177167
       177178
                                   iPhone,Lightning Charging Cable
648
                      Wired Headphones, Apple Airpods Headphones
652
       177181
```

```
In [30]: from itertools import combinations
from collections import Counter

count = Counter()
```

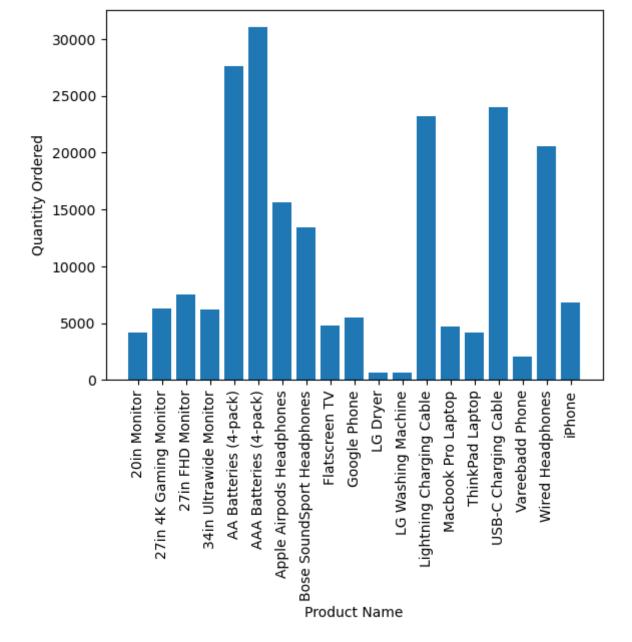
```
for row in df['Grouped']:
    row_list = row.split(',')
    count.update(Counter(combinations(row_list,2)))

for key, value in count.most_common(10):
    print(key,value)

('iPhone', 'Lightning Charging Cable') 1005
('Google Phone', 'USB-C Charging Cable') 987
('iPhone', 'Wired Headphones') 447
('Google Phone', 'Wired Headphones') 414
('Vareebadd Phone', 'USB-C Charging Cable') 361
('iPhone', 'Apple Airpods Headphones') 360
('Google Phone', 'Bose SoundSport Headphones') 220
('USB-C Charging Cable', 'Wired Headphones') 160
('Vareebadd Phone', 'Wired Headphones') 143
('Lightning Charging Cable', 'Wired Headphones') 92
```

Question 5: What product sold the most? Why do you think the product was sold the most?

```
all_data.head()
In [20]:
Out[20]:
                Order
                                                                   Price
                                                      Quantity
                                      Product
                                                                              Order Date
                                                                                                     Purchase Address Month
                                                                                                                               Sales
                                                                                                                                         City Name Hour Minute
                   ID
                                                      Ordered
                                                                   Each
                                                                              2019-04-19
               176558
                           USB-C Charging Cable
                                                            2
                                                                   11.95
                                                                                              917 1st St, Dallas, TX 75001
                                                                                                                               23.90
                                                                                                                                          Dallas (TX)
                                                                                                                                                       8
          0
                                                                                                                                                               46
                                                                                 08:46:00
                               Bose SoundSport
                                                                              2019-04-07
                                                                                              682 Chestnut St, Boston, MA
               176559
                                                            1
                                                                   99.99
                                                                                                                               99.99
                                                                                                                                                       22
                                                                                                                                                               30
                                                                                                                                        Boston (MA)
                                   Headphones
                                                                                 22:30:00
                                                                                                                02215
                                                                              2019-04-12
                                                                                            669 Spruce St, Los Angeles, CA
                                                                                                                                         Los Angeles
               176560
                                 Google Phone
                                                            1
                                                                  600.00
                                                                                                                            4 600.00
                                                                                                                                                       14
                                                                                                                                                               38
                                                                                 14:38:00
                                                                                                                                               (CA)
                                                                              2019-04-12
                                                                                            669 Spruce St, Los Angeles, CA
                                                                                                                                         Los Angeles
               176560
                             Wired Headphones
                                                            1
                                                                   11.99
                                                                                                                            4 11.99
                                                                                                                                                       14
                                                                                                                                                               38
                                                                                 14:38:00
                                                                                                                90001
                                                                                                                                               (CA)
                                                                              2019-04-30
                                                                                              333 8th St, Los Angeles, CA
                                                                                                                                        Los Angeles
                                                                                                                                                       9
               176561
                             Wired Headphones
                                                            1
                                                                   11.99
                                                                                                                               11.99
                                                                                                                                                               27
                                                                                 09:27:00
                                                                                                                90001
                                                                                                                                               (CA)
In [21]:
          results = all_data.groupby('Product').sum()['Quantity Ordered']
           results
          Product
Out[21]:
          20in Monitor
                                             4129
          27in 4K Gaming Monitor
                                             6244
          27in FHD Monitor
                                             7550
          34in Ultrawide Monitor
                                             6199
          AA Batteries (4-pack)
                                            27635
                                            31017
          AAA Batteries (4-pack)
          Apple Airpods Headphones
                                            15661
          Bose SoundSport Headphones
                                            13457
          Flatscreen TV
                                             4819
                                             5532
          Google Phone
          LG Dryer
                                              646
          LG Washing Machine
                                              666
          Lightning Charging Cable
                                            23217
          Macbook Pro Laptop
                                             4728
          ThinkPad Laptop
                                             4130
          USB-C Charging Cable
                                            23975
          Vareebadd Phone
                                             2068
          Wired Headphones
                                            20557
          iPhone
                                             6849
          Name: Quantity Ordered, dtype: int64
          Products = [product for product, df in all_data.groupby('Product')]
In [22]:
           plt.bar(Products, results)
           plt.xticks(Products, rotation = 'vertical')
           plt.xlabel('Product Name')
           plt.ylabel('Quantity Ordered')
Out[22]: Text(0, 0.5, 'Quantity Ordered')
```



Plotting line chart against bar graph to determine quantity sold and price of product w.r.t product name

```
In [23]: price = all_data.groupby('Product').mean()['Price Each']
          price
         Product
Out[23]:
         20in Monitor
                                         109.99
          27in 4K Gaming Monitor
                                         389.99
         27in FHD Monitor
                                         149.99
                                         379.99
         34in Ultrawide Monitor
         AA Batteries (4-pack)
                                           3.84
         AAA Batteries (4-pack)
                                           2.99
         Apple Airpods Headphones
                                         150.00
          Bose SoundSport Headphones
                                          99.99
                                         300.00
         Flatscreen TV
         Google Phone
                                         600.00
         LG Dryer
                                         600.00
         LG Washing Machine
                                         600.00
         Lightning Charging Cable
                                          14.95
         Macbook Pro Laptop
                                        1700.00
         ThinkPad Laptop
                                         999.99
         USB-C Charging Cable
                                          11.95
         Vareebadd Phone
                                         400.00
         Wired Headphones
                                          11.99
         iPhone
                                         700.00
         Name: Price Each, dtype: float64
```

Plotting the two graphs together

```
In [25]: fig, ax1 = plt.subplots()
    ax2 = ax1.twinx()
    ax1.bar(Products,results)
    ax2.plot(Products,price, 'b-')
    ax1.set_xlabel('Product Name')
    ax1.set_ylabel('Quantity Ordered')
    ax2.set_ylabel('Prices($)')
    ax1.set_xticklabels(Products, rotation ='vertical')

C:\Users\SOUPTIK DAS\AppData\Local\Temp\ipykernel_13928\1795160273.py:11: UserWarning: FixedFormatter should only be used together with Fix edlocator
    ax1.set_xticklabels(Products, rotation ='vertical')
```

```
[Text(0, 0, '20in Monitor'),
  Text(1, 0, '27in 4K Gaming Monitor'),
Out[25]:
               Text(2, 0, '27in FHD Monitor'),
               Text(3, 0, '34in Ultrawide Monitor'),
               Text(4, 0, 'AA Batteries (4-pack)'),
               Text(5, 0, 'AAA Batteries (4-pack)'),
               Text(6, 0, 'Apple Airpods Headphones'),
               Text(7, 0, 'Bose SoundSport Headphones'),
               Text(8, 0, 'Flatscreen TV'),
               Text(9, 0, 'Google Phone'),
               Text(10, 0, 'LG Dryer'),
               Text(11, 0, 'LG Washing Machine'),
               Text(12, 0, 'Lightning Charging Cable'),
               Text(13, 0, 'Macbook Pro Laptop'),
               Text(14, 0, 'ThinkPad Laptop'),
               Text(15, 0, 'USB-C Charging Cable'),
               Text(16, 0, 'Vareebadd Phone'),
               Text(17, 0, 'Wired Headphones'),
               Text(18, 0, 'iPhone')]
                                                                                                                                    1750
                   30000
                                                                                                                                     1500
                   25000
                                                                                                                                     1250
              Quantity Ordered
                   20000
                                                                                                                                     1000
                                                                                                                                             Prices($)
                   15000
                                                                                                                                     750
                                                                                                                                     500
                   10000
                                                                                                                                     250
                    5000
                                                                                                                                     0
                                                                                   LG Dryer .
                                                                                                      ThinkPad Laptop
                                                                                                                          iPhone
                                                                              Google Phone
                                                                                             Lightning Charging Cable
                                                                                                 Macbook Pro Laptop
                                                                                                                Vareebadd Phone
                                                                                                                     Wired Headphones
                                                 34in Ultrawide Monitor
                                                                Apple Airpods Headphones
                                                                                        LG Washing Machine
                                                                                                            USB-C Charging Cable
                                  20in Monitor
                                       27in 4K Gaming Monitor
                                            27in FHD Monitor
                                                      AA Batteries (4-pack)
                                                          AAA Batteries (4-pack)
                                                                    Bose SoundSport Headphones
                                                                         Flatscreen TV
                                                                      Product Name
```