In [1]:

```
import csv

with open("Global-superstore.csv", 'r') as file:
  csvreader = csv.reader(file)
  for row in csvreader:
    print(row)
```

```
ology', 'Copiers', 'Brother Fax Machine, Laser', '4141.02', '13', '0',
'1697.67', ' 668.96 ', 'High']
['28046', 'IN-2011-61302', '1/10/2011', '1/11/2011', 'First Class', 'DL
-12865', 'Dan Lawera', 'Consumer', 'Brisbane', 'Queensland', 'Australi
a', '', 'APAC', 'Oceania', 'TEC-PH-10004664', 'Technology', 'Phones',
'Nokia Smart Phone, with Caller ID', '2875.095', '5', '0.1', '511.095',
' 665.27 ', 'Medium']
['21316', 'ID-2013-63976', '8/22/2013', '8/26/2013', 'Standard Class',
'JB-16000', 'Joy Bell-', 'Consumer', 'Mataram', 'Nusa Tenggara Barat',
'Indonesia', '', 'APAC', 'Southeast Asia', 'TEC-PH-10000499', 'Technolo
gy', 'Phones', 'Motorola Smart Phone, Full Size', '3200.5962', '6', '0.
17', '-77.2038', ' 660.87 ', 'High']
['29272', 'IN-2014-37320', '11/11/2014', '11/15/2014', 'Standard Clas
s', 'BF-11005', 'Barry Franz', 'Home Office', 'Gorakhpur', 'Haryana',
'India', '', 'APAC', 'Central Asia', 'TEC-PH-10003856', 'Technology',
'Phones', 'Motorola Smart Phone, with Caller ID', '4518.78', '7', '0',
'632.52', ' 658.69 ', 'High']
['25795', 'IN-2014-76016', '9/26/2014', '9/28/2014', 'Second Class', 'V
G-21805', 'Vivek Grady', 'Corporate', 'Thiruvananthapuram', 'Kerala',
'India', '', 'APAC', 'Central Asia', 'FUR-BO-10004852', 'Furniture', 'B
```

In [20]:

```
import pandas as pd
data = pd.read_csv('Global-superstore.csv', encoding= 'unicode_escape')
```

In [21]:

```
print(data)
```

```
       Row ID         Order ID  Order Date   Ship Date       Ship Mode  \
0       32298   CA-2012-124891   7/31/2012   7/31/2012        Same Day
1       26341    IN-2013-77878    2/5/2013    2/7/2013    Second Class
2       25330    IN-2013-71249  10/17/2013  10/18/2013     First Class
3       13524  ES-2013-1579342   1/28/2013   1/30/2013     First Class
4       47221     SG-2013-4320   11/5/2013   11/6/2013        Same Day
...       ...              ...         ...         ...             ...
51285   29002    IN-2014-62366   6/19/2014   6/19/2014        Same Day
51286   35398   US-2014-102288   6/20/2014   6/24/2014  Standard Class
51287   40470   US-2013-155768   12/2/2013   12/2/2013        Same Day
51288    9596   MX-2012-140767   2/18/2012   2/22/2012  Standard Class
51289    6147   MX-2012-134460   5/22/2012   5/26/2012    Second Class

      Customer ID     Customer Name      Segment           City  \
0        RH-19495       Rick Hansen     Consumer  New York City
1        JR-16210     Justin Ritter    Corporate     Wollongong
2        CR-12730      Craig Reiter     Consumer       Brisbane
3        KM-16375  Katherine Murray  Home Office         Berlin
4         RH-9495       Rick Hansen     Consumer          Dakar
...           ...               ...         ...            ...
51285    KE-16420   Katrina Edelman    Corporate           Kure
51286    ZC-21910  Zuschuss Carroll     Consumer        Houston
51287    LB-16795    Laurel Beltran  Home Office         Oxnard
51288    RB-19795        Ross Baird  Home Office       Valinhos
51289    MC-18100     Mick Crebagga     Consumer       Tipitapa

                State  ...        Product ID         Category Sub-Categor
y  \
0            New York  ...   TEC-AC-10003033       Technology  Accessorie
s
1      New South Wales  ...   FUR-CH-10003950        Furniture       Chair
s
2           Queensland  ...   TEC-PH-10004664       Technology       Phone
s
3               Berlin  ...   TEC-PH-10004583       Technology       Phone
s
4                Dakar  ...  TEC-SHA-10000501       Technology      Copier
s
...                ...  ...               ...              ...
...
51285        Hiroshima  ...   OFF-FA-10000746  Office Supplies    Fastener
s
51286            Texas  ...   OFF-AP-10002906  Office Supplies   Appliance
s
51287       California  ...   OFF-EN-10001219  Office Supplies    Envelope
s
51288        S□o Paulo  ...   OFF-BI-10000806  Office Supplies      Binder
s
51289          Managua  ...   OFF-PA-10004155  Office Supplies        Pape
r

                                              Product Name     Sales Quantit
y  \
0      Plantronics CS510 - Over-the-Head monaural Wir...  2309.650
7
1              Novimex Executive Leather Armchair, Black  3709.395
9
2                     Nokia Smart Phone, with Caller ID  5175.171
9
3                        Motorola Smart Phone, Cordless  2892.510
5
```

```
4                        Sharp Wireless Fax, High-Speed  2832.960
8
...                                                 ...       ...
...
51285                     Advantus Thumb Tacks, 12 Pack    65.100
5
51286  Hoover Replacement Belt for Commercial Guardsm...     0.444
1
51287       #10- 4 1/8" x 9 1/2" Security-Tint Envelopes    22.920
3
51288                            Acco Index Tab, Economy    13.440
2
51289            Eaton Computer Printout Paper, 8.5 x 11    61.380
3

      Discount    Profit  Shipping Cost  Order Priority
0          0.0  762.1845         933.57        Critical
1          0.1 -288.7650         923.63        Critical
2          0.1  919.9710         915.49          Medium
3          0.1  -96.5400         910.16          Medium
4          0.0  311.5200         903.04        Critical
...        ...       ...            ...             ...
51285      0.0    4.5000           0.01          Medium
51286      0.8   -1.1100           0.01          Medium
51287      0.0   11.2308           0.01            High
51288      0.0    2.4000           0.00          Medium
51289      0.0    1.8000           0.00            High

[51290 rows x 24 columns]
```

In [23]:

```
data.isnull()
```

Out[23]:

	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	...	P
0	False	False	False	False	False	False	False	False	False	False	...	
1	False	False	False	False	False	False	False	False	False	False	...	
2	False	False	False	False	False	False	False	False	False	False	...	
3	False	False	False	False	False	False	False	False	False	False	...	
4	False	False	False	False	False	False	False	False	False	False	...	
...	...	...	...	...	...	...	...	...	...	...	...	
51285	False	False	False	False	False	False	False	False	False	False	...	
51286	False	False	False	False	False	False	False	False	False	False	...	
51287	False	False	False	False	False	False	False	False	False	False	...	
51288	False	False	False	False	False	False	False	False	False	False	...	
51289	False	False	False	False	False	False	False	False	False	False	...	

51290 rows × 24 columns

In [5]:

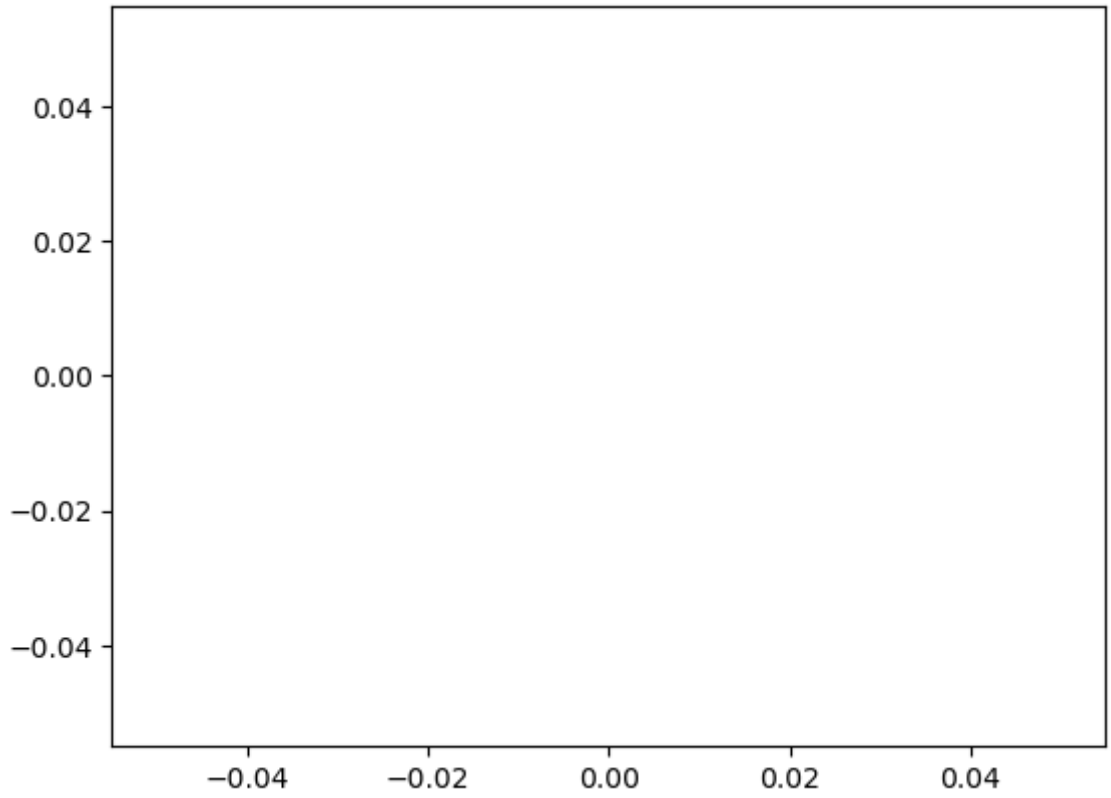
```
import matplotlib.pyplot as plt
```

In [6]:

```
plt.plot()
```

Out[6]:

```
[]
```



In [13]:

```
import pandas as pd
data = pd.read_csv('Global-superstore.csv', encoding= 'unicode_escape')
```

In [14]:

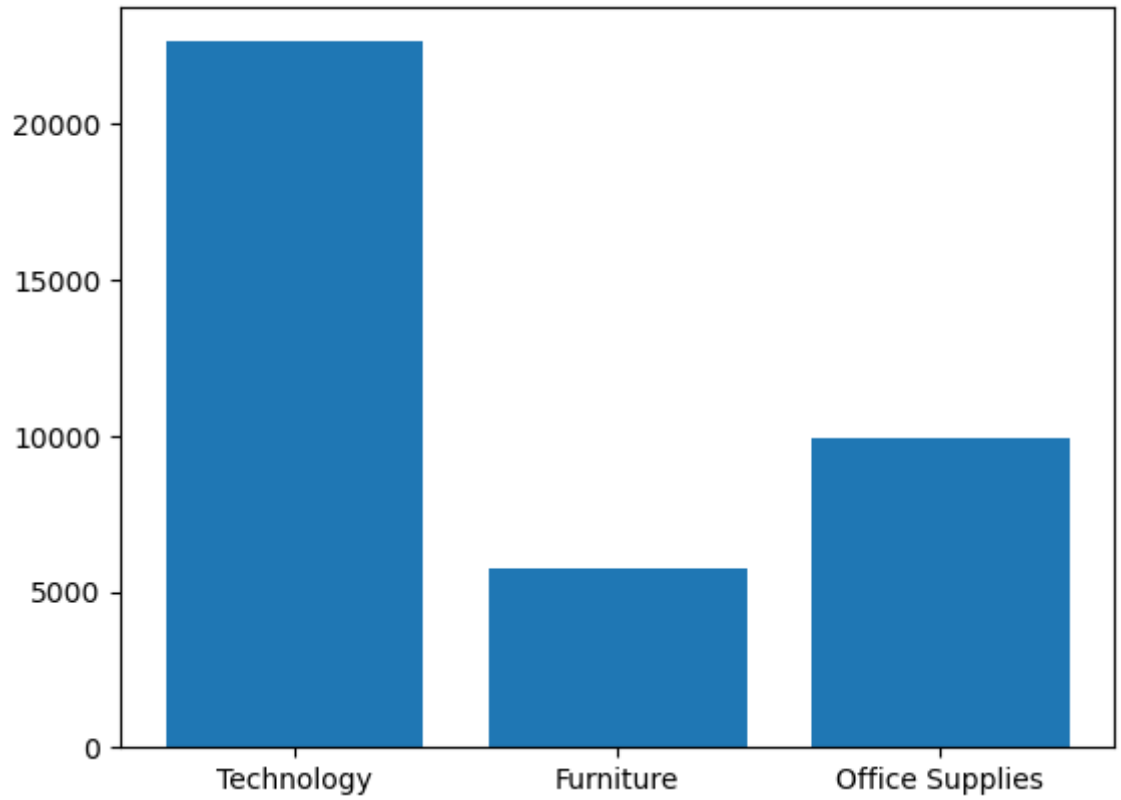
```
print(data)
```

```
       Row ID         Order ID  Order Date   Ship Date       Ship Mode
\
0       32298   CA-2012-124891   7/31/2012   7/31/2012        Same Day
1       26341    IN-2013-77878    2/5/2013    2/7/2013    Second Class
2       25330    IN-2013-71249  10/17/2013  10/18/2013     First Class
3       13524  ES-2013-1579342   1/28/2013   1/30/2013     First Class
4       47221     SG-2013-4320   11/5/2013   11/6/2013        Same Day
...       ...              ...         ...         ...             ...
51285   29002    IN-2014-62366   6/19/2014   6/19/2014        Same Day
51286   35398   US-2014-102288   6/20/2014   6/24/2014  Standard Class
51287   40470   US-2013-155768   12/2/2013   12/2/2013        Same Day
51288    9596   MX-2012-140767   2/18/2012   2/22/2012  Standard Class
51289    6147   MX-2012-134460   5/22/2012   5/26/2012    Second Class

      Customer ID     Customer Name      Segment           City  \
0        RH-19495       Rick Hansen     Consumer  New York City
1        JR-16210     Justin Ritter    Corporate     Wollongong
2        CR-12730      Craig Reiter     Consumer       Brisbane
3        KM-16375  Katherine Murray  Home Office         Berlin
```

In [29]:

```
import matplotlib.pyplot as plt
import pandas as pd
df = pd.read_csv('Global-superstore.csv', encoding='unicode_escape')
x = df['Category']
y = df['Sales']
plt.xlabe=('Category')
plt.ylable=('Sales')
plt.bar(x,y)
plt.show()
```

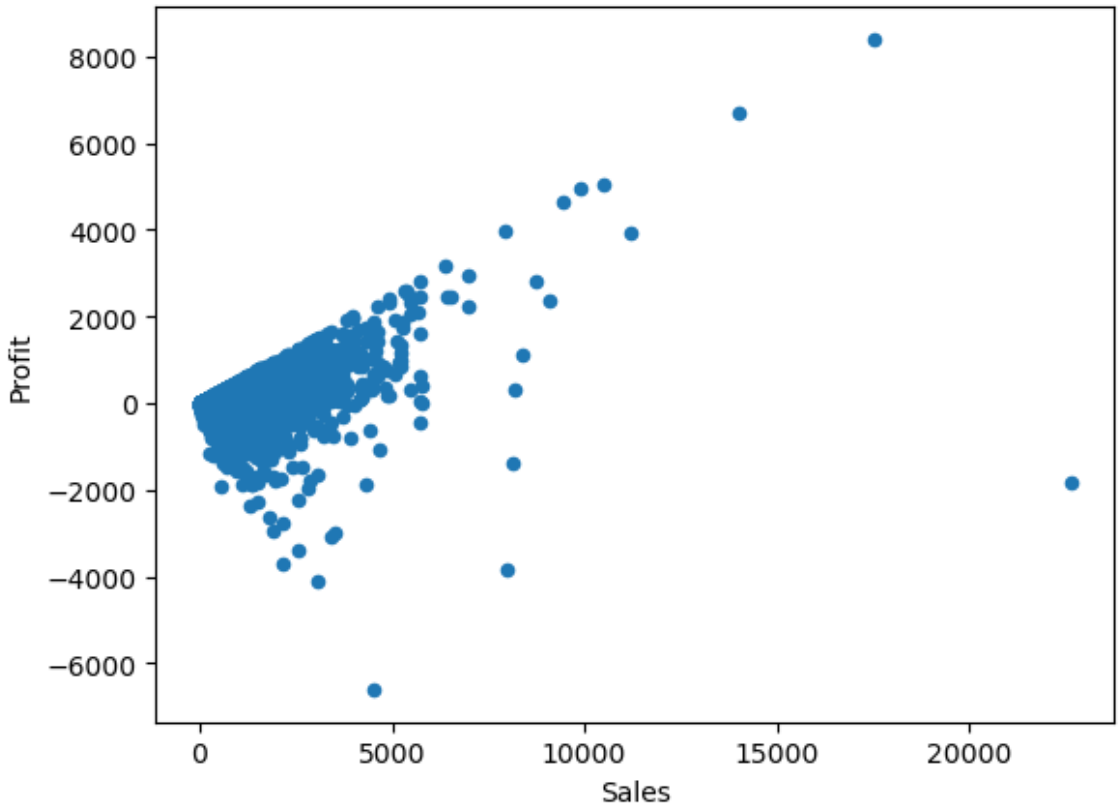


In [10]:

```
import pandas as pd
df = pd.read_csv('Global-superstore.csv', encoding='unicode_escape')
df.plot.scatter(x='Sales', y='Profit')
```

Out[10]:

```
<Axes: xlabel='Sales', ylabel='Profit'>
```



In [14]:

```
import pandas as pd
df = pd.read_csv('Global-superstore.csv', encoding='unicode_escape')
df.plot(x='Country', y='Sales')
```

Out[14]:

```
<Axes: xlabel='Country'>
```