In [1]:

```
import numpy as np
import pandas as pd
```

In [2]:

```
a=pd.read_csv(r"C:\Users\user\Downloads\Fitness (2).csv")
```

To print the first 10 rows

In [3]:

```
a.head(10)
```

Out[3]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
0	A	5.62%	7.73%	6.16%	75
1	B	4.21%	17.27%	19.21%	160
2	C	9.83%	11.60%	5.17%	101
3	D	2.81%	21.91%	7.88%	127
4	E	25.28%	10.57%	11.82%	179
5	F	8.15%	16.24%	18.47%	167
6	G	18.54%	8.76%	17.49%	171
7	H	25.56%	5.93%	13.79%	170
8	Grand Total	100.00%	100.00%	100.00%	1150

To print the last 5 rows

In [4]:

```
a.tail(5)
```

Out[4]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
4	E	25.28%	10.57%	11.82%	179
5	F	8.15%	16.24%	18.47%	167
6	G	18.54%	8.76%	17.49%	171
7	H	25.56%	5.93%	13.79%	170
8	Grand Total	100.00%	100.00%	100.00%	1150

To print the size function

In [5]:

```
print(np.size(a))
```

```
45
```

To print shape function

In [6]:

```
print(np.shape(a))
```

```
(9, 5)
```

To print the na function

In [7]:

```
pd.isna(a)
```

Out[7]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
5	False	False	False	False	False
6	False	False	False	False	False
7	False	False	False	False	False
8	False	False	False	False	False

To print the na function

In [8]:

```
pd.isna(a)
```

Out[8]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
5	False	False	False	False	False
6	False	False	False	False	False
7	False	False	False	False	False
8	False	False	False	False	False

To print the na function

In [9]:

```
pd.isna(a)
```

Out[9]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
5	False	False	False	False	False
6	False	False	False	False	False
7	False	False	False	False	False
8	False	False	False	False	False

To print the drop function

In [10]:

```
a.dropna()
```

Out[10]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
0	A	5.62%	7.73%	6.16%	75
1	B	4.21%	17.27%	19.21%	160
2	C	9.83%	11.60%	5.17%	101
3	D	2.81%	21.91%	7.88%	127
4	E	25.28%	10.57%	11.82%	179
5	F	8.15%	16.24%	18.47%	167
6	G	18.54%	8.76%	17.49%	171
7	H	25.56%	5.93%	13.79%	170
8	Grand Total	100.00%	100.00%	100.00%	1150

To print the fill function

In [11]:

```
a.fillna(value=10)
```

Out[11]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
0	A	5.62%	7.73%	6.16%	75
1	B	4.21%	17.27%	19.21%	160
2	C	9.83%	11.60%	5.17%	101
3	D	2.81%	21.91%	7.88%	127
4	E	25.28%	10.57%	11.82%	179
5	F	8.15%	16.24%	18.47%	167
6	G	18.54%	8.76%	17.49%	171
7	H	25.56%	5.93%	13.79%	170
8	Grand Total	100.00%	100.00%	100.00%	1150

To describe the function

In [12]:

```
a.describe()
```

Out[12]:

	Sum of Total Sales
count	9.000000
mean	255.555556
std	337.332963
min	75.000000
25%	127.000000
50%	167.000000
75%	171.000000
max	1150.000000

In [13]:

```
conda install matplotlib
```

```
Collecting package metadata (current_repodata.json): ...working... done
Solving environment: ...working... done


Note: you may need to restart the kernel to use updated packages.# All req
uested packages already installed.




==> WARNING: A newer version of conda exists. <==
  current version: 4.10.1
  latest version: 23.5.2

Please update conda by running

    $ conda update -n base -c defaults conda
```

In [14]:

```
import matplotlib.pyplot as pp
```

In [16]:

```
b=a[["Row Labels","Sum of Total Sales"]]
b
```

Out[16]:

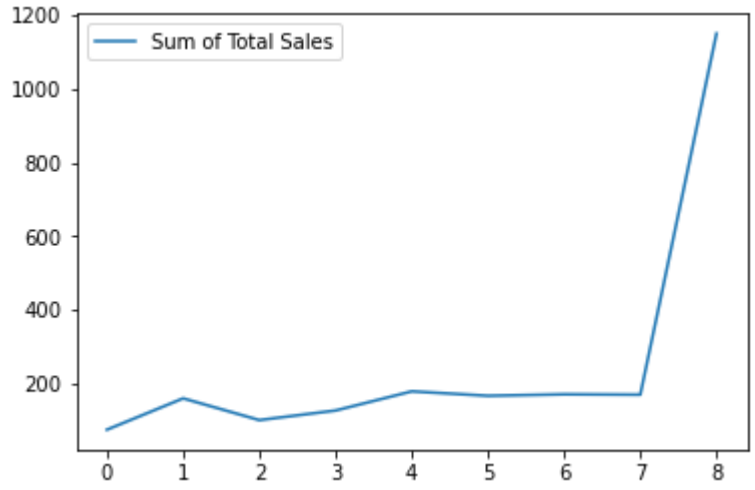
	Row Labels	Sum of Total Sales
0	A	75
1	B	160
2	C	101
3	D	127
4	E	179
5	F	167
6	G	171
7	H	170
8	Grand Total	1150

In [17]:

```
b.plot.line()
```

Out[17]:

```
<AxesSubplot:>
```

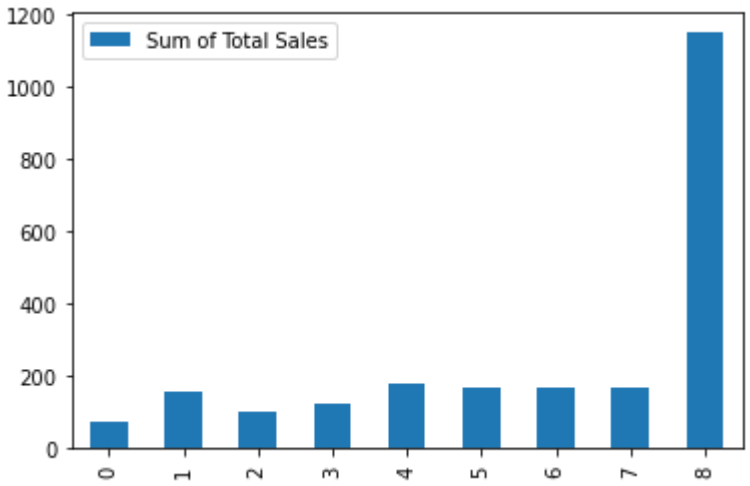


In [18]:

```
b.plot.bar()
```

Out[18]:

<AxesSubplot:>

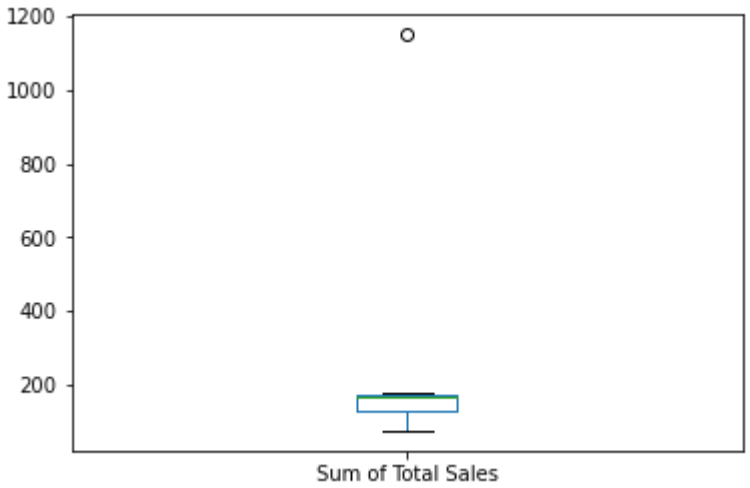


In [20]:

```
b.plot.box()
```

Out[20]:

<AxesSubplot:>

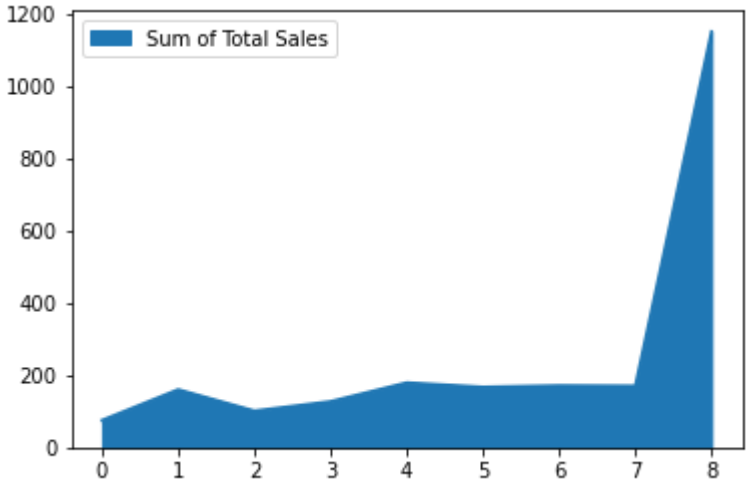


In [21]:

```
b.plot.area()
```

Out[21]:

```
<AxesSubplot:>
```

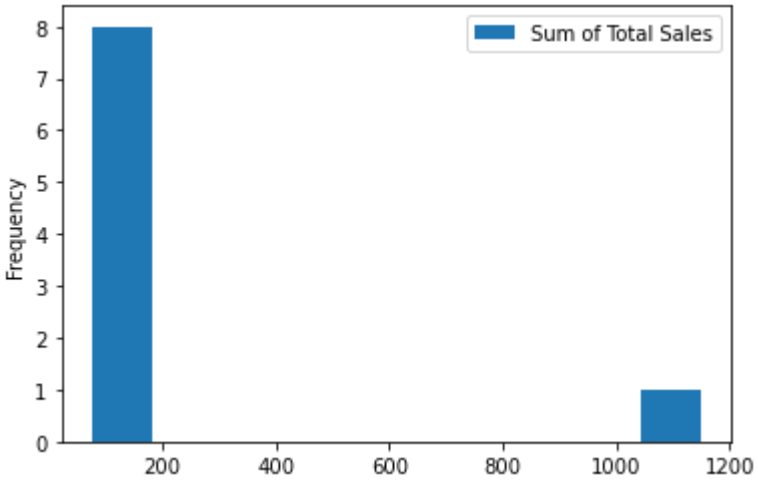


In [22]:

```
b.plot.hist()
```

Out[22]:

```
<AxesSubplot:ylabel='Frequency'>
```

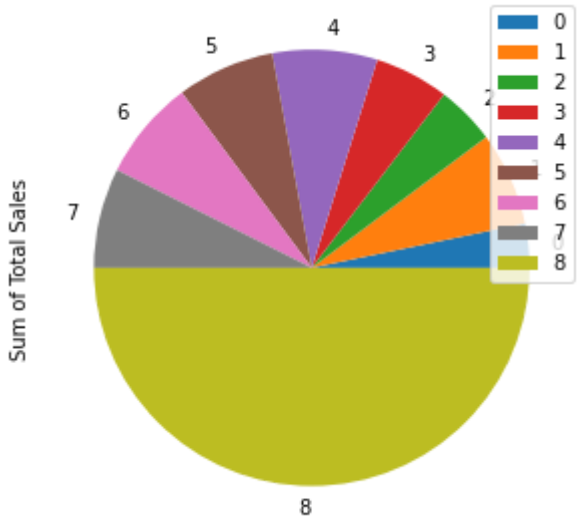


In [24]:

```
b.plot.pie(y='Sum of Total Sales',figsize=(5,5))
```

Out[24]:

```
<AxesSubplot:ylabel='Sum of Total Sales'>
```

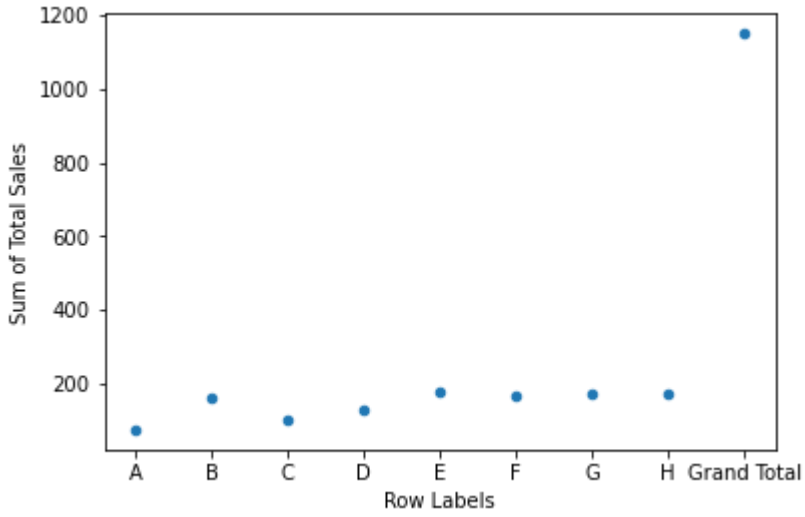


In [25]:

```
b.plot.scatter(x='Row Labels',y='Sum of Total Sales')
```

Out[25]:

```
<AxesSubplot:xlabel='Row Labels', ylabel='Sum of Total Sales'>
```



In [ ]: