In [1]:
```
import numpy as np
import pandas as pd
```

In [2]:
```
x=pd.read_csv(r"C:\Users\user\Downloads\3_Fitness-1 - 3_Fitness-1.csv")
x
```

Out[2]:

	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

In [5]:
```
x.head(4)
```

Out[5]:

	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

In [4]:
```
x.tail(2)
```

Out[4]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
7	H	25.56%	5.93%	13.79%	170
8	Grand Total	100.00%	100.00%	100.00%	1150

In [7]:
```
x.index
```

Out[7]:
```
RangeIndex(start=0, stop=9, step=1)
```

In [8]:
```
x.describe
```

Out[8]:
```
<bound method NDFrame.describe of     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>
```

In [10]:
```
x.dtypes
```

Out[10]:
```
Row Labels            object
Sum of Jan            object
Sum of Feb            object
Sum of Mar            object
Sum of Total Sales     int64
dtype: object
```

In [12]:
```
x["Sum of Total Sales"]
```

Out[12]:
```
0      75
1     160
2     101
3     127
4     179
5     167
6     171
7     170
8    1150
Name: Sum of Total Sales, dtype: int64
```

In [13]:
```
x.loc[1:3]
```

Out[13]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
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

In [14]:
```
x.iloc[1:3]
```

Out[14]:

	Row Labels	Sum of Jan	Sum of Feb	Sum of Mar	Sum of Total Sales
1	B	4.21%	17.27%	19.21%	160
2	C	9.83%	11.60%	5.17%	101

In [15]:
```
x.isna()
```

Out[15]:

	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

In [16]:
```
x.fillna(value=100)
```

Out[16]:

	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

In [17]:
```
x.dropna()
```

Out[17]:

	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

In [19]:
```
x=x[["Sum of Jan","Sum of Total Sales"]]
x
```

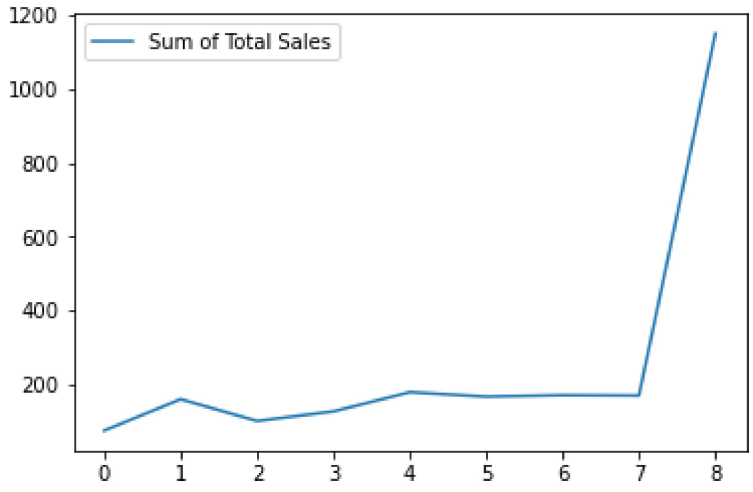
Out[19]:

	Sum of Jan	Sum of Total Sales
0	5.62%	75
1	4.21%	160
2	9.83%	101
3	2.81%	127
4	25.28%	179
5	8.15%	167
6	18.54%	171
7	25.56%	170
8	100.00%	1150

In [20]:
```
import matplotlib.pyplot as pp
```

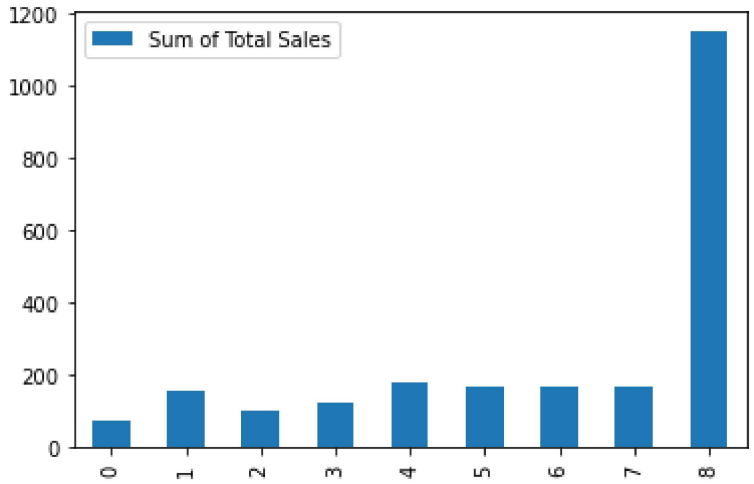
In [21]:
```
x.plot.line()
```

Out[21]: <AxesSubplot:>



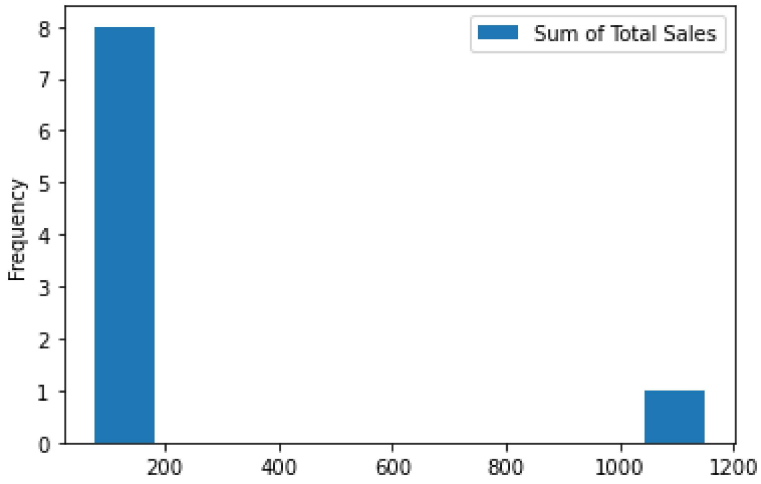
In [22]:
```
x.plot.bar()
```

Out[22]: <AxesSubplot:>



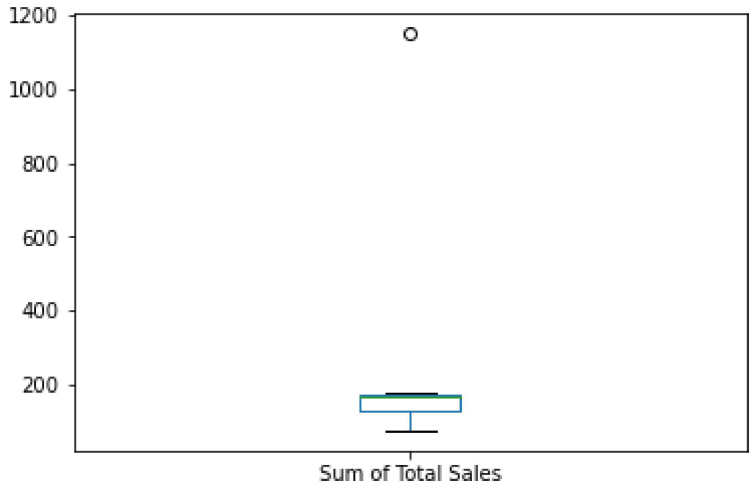
In [23]:
```
x.plot.hist()
```

Out[23]: <AxesSubplot:ylabel='Frequency'>



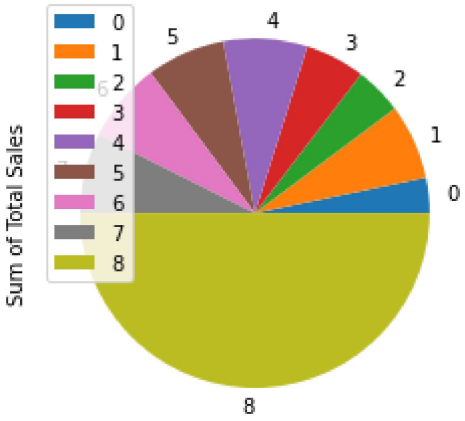
In [24]:
```
x.plot.box()
```

Out[24]: <AxesSubplot:>



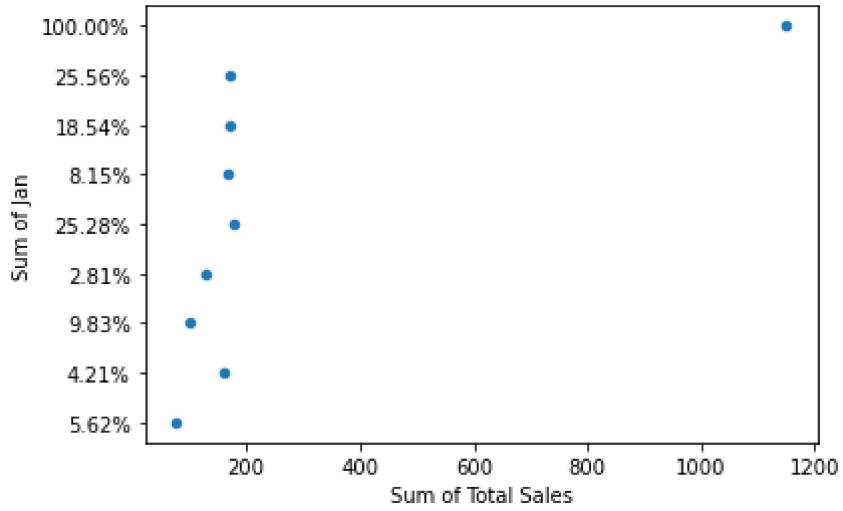
In [26]:
```
x.plot.pie(y='Sum of Total Sales')
```

Out[26]: <AxesSubplot:ylabel='Sum of Total Sales'>



In [28]:
```
x.plot.scatter(x='Sum of Total Sales',y='Sum of Jan')
```

Out[28]:
```
<AxesSubplot:xlabel='Sum of Total Sales', ylabel='Sum of Jan'>
```



In [ ]: