1.IMPORTING LIBRARIES

In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

2.Importing dataset

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

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

3.head

In [3]:
```
data.head(8)
```

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

4.tail

In [4]:
```
data.tail(7)
```

Out[4]:

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

5.describe()

In [5]:
```
data.describe()
```

Out[5]:

	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

6.shape()

In [6]:
```
np.shape(data)
```

Out[6]:
```
(9, 5)
```

7.size()

In [7]:
```
np.size(data)
```

Out[7]: 45

8.isna()

In [8]:
```
data.isna()
```

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

9.dropna

In [9]:
```
data.dropna()
```

Out[9]:

	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

10.selecting specific column

In [12]:
```
da=data[["Sum of Jan","Sum of Mar"]]
da
```

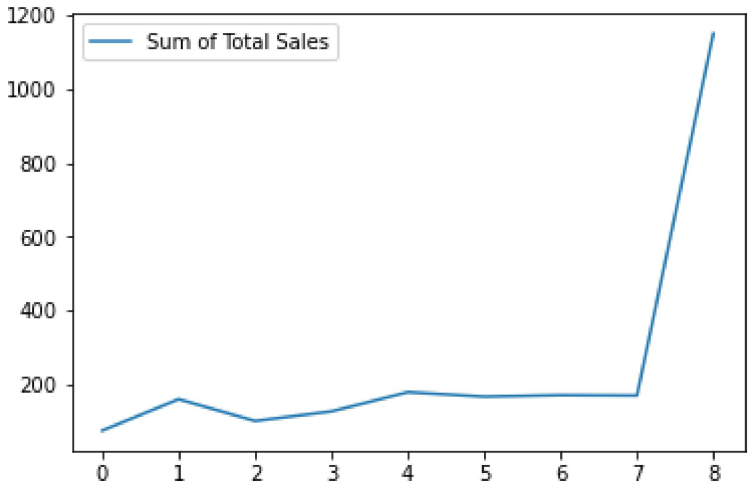
Out[12]:

	Sum of Jan	Sum of Mar
0	5.62%	6.16%
1	4.21%	19.21%
2	9.83%	5.17%
3	2.81%	7.88%
4	25.28%	11.82%
5	8.15%	18.47%
6	18.54%	17.49%
7	25.56%	13.79%
8	100.00%	100.00%

11.line plot

In [13]:
```
data.plot.line()
```

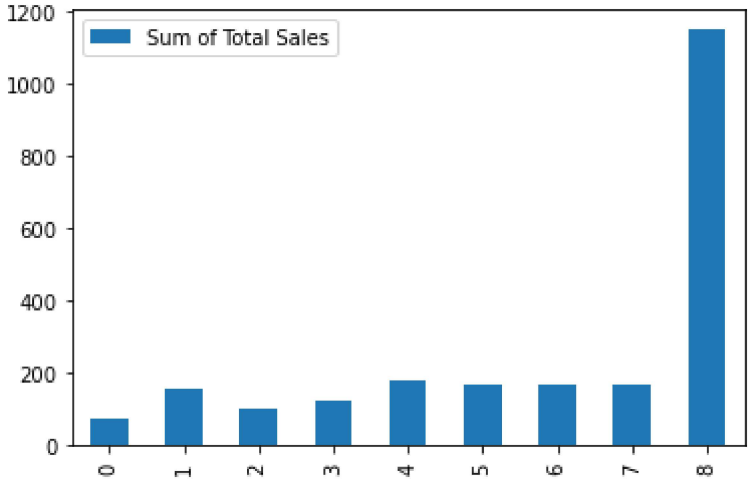
Out[13]: <AxesSubplot:>



12.bar plot

In [14]:
```
data.plot.bar()
```

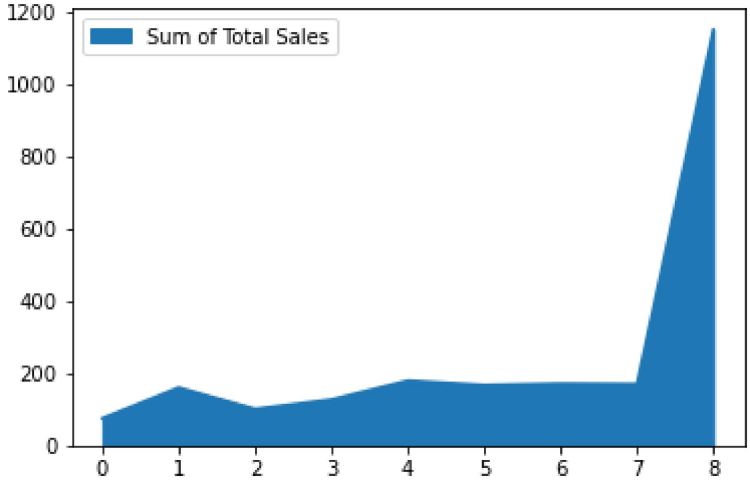
Out[14]: <AxesSubplot:>



13.area plot

In [15]:
```
data.plot.area()
```

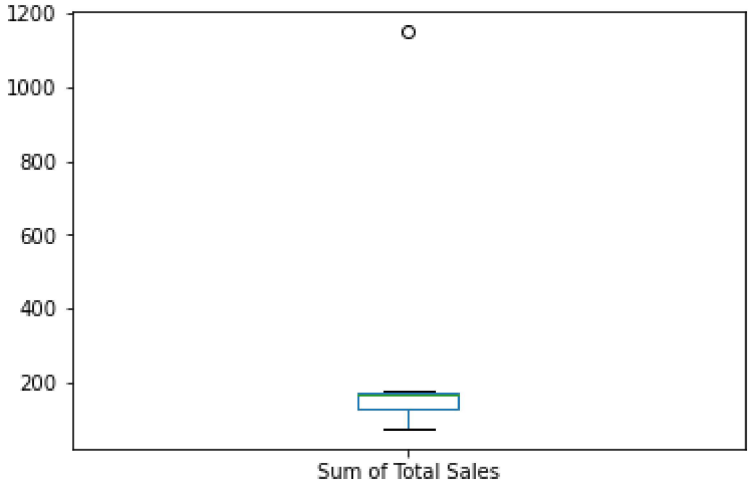
Out[15]: <AxesSubplot:>



14.box plot

In [16]:
```
data.plot.box()
```

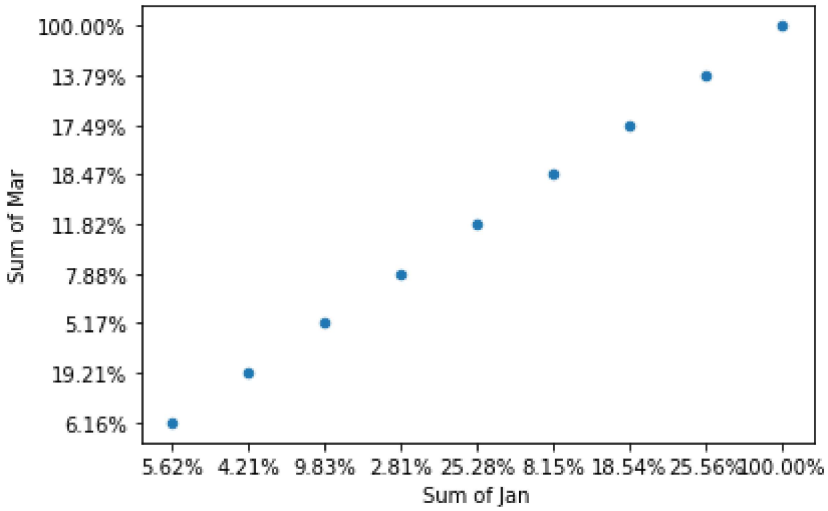
Out[16]: <AxesSubplot:>



15.scatter plot

In [17]:
```
data.plot.scatter("Sum of Jan","Sum of Mar")
```

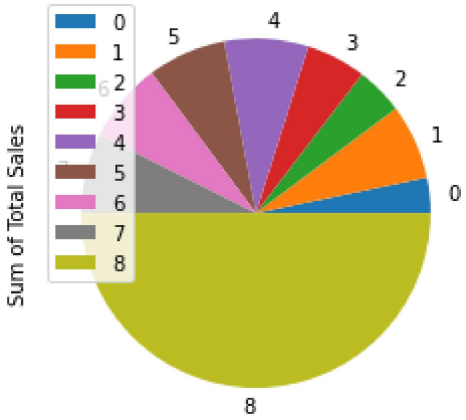
Out[17]: <AxesSubplot:xlabel='Sum of Jan', ylabel='Sum of Mar'>



16.pie plot

In [36]:
```
data.plot.pie(x="Row Labels",y="Sum of Total Sales")
```

Out[36]: <AxesSubplot:ylabel='Sum of Total Sales'>



17.histogram

In [22]:
```
data.plot.hist()
```

Out[22]: <AxesSubplot:ylabel='Frequency'>