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

IMPORT AND PRINT DATA SET

In [2]:
```
data = pd.read_csv("fitness.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

SHAPE

In [3]:
```
np.shape(data)
```

Out[3]: (9, 5)

SIZE

In [4]:
```
np.size(data)
```

Out[4]: 45

PRINT FIRST 10 VALUES

In [5]:
```
data.head(10)
```

Out[5]:

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

	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

PRINT LAST 7 VALUES

In [6]:
```
data.tail(5)
```

Out[6]:

	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

DESCRIPTION OF TABLE

In [7]:
```
data.describe()
```

Out[7]:

	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

FIND NULL VALUES

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

FILL NULL VALUES

In [9]:
```
data.fillna(1)
```

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

In [10]:
```
data.columns
```

Out[10]:
```
Index(['Row Labels', 'Sum of Jan', 'Sum of Feb', 'Sum of Mar',
       'Sum of Total Sales'],
      dtype='object')
```

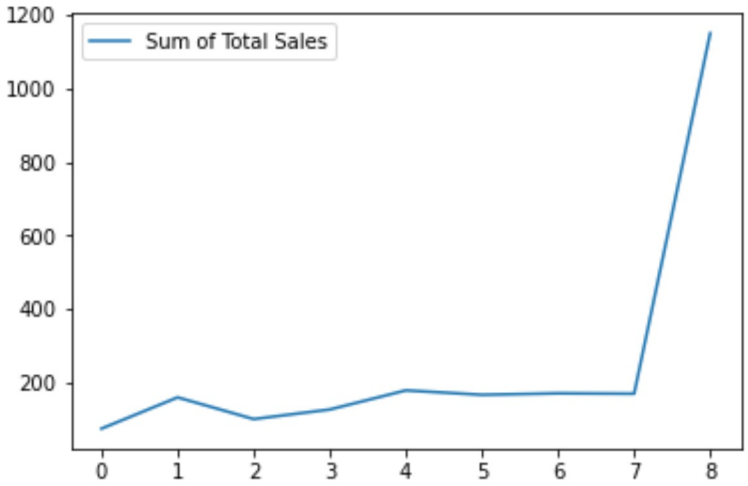
In [11]:
```
data.index
```

Out[11]:
```
RangeIndex(start=0, stop=9, step=1)
```

LINE PLOT

In [12]:
```
data.plot.line()
```

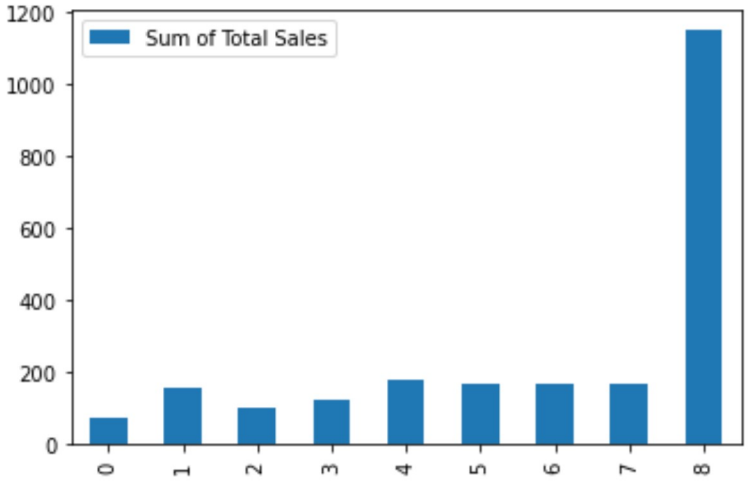
Out[12]:
```
<AxesSubplot:>
```



BAR CHART

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

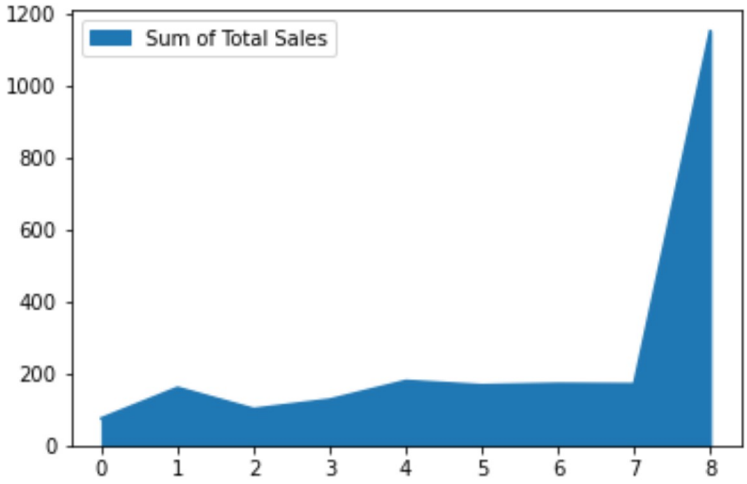
Out[13]:
```
<AxesSubplot:>
```



AREA CHART

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

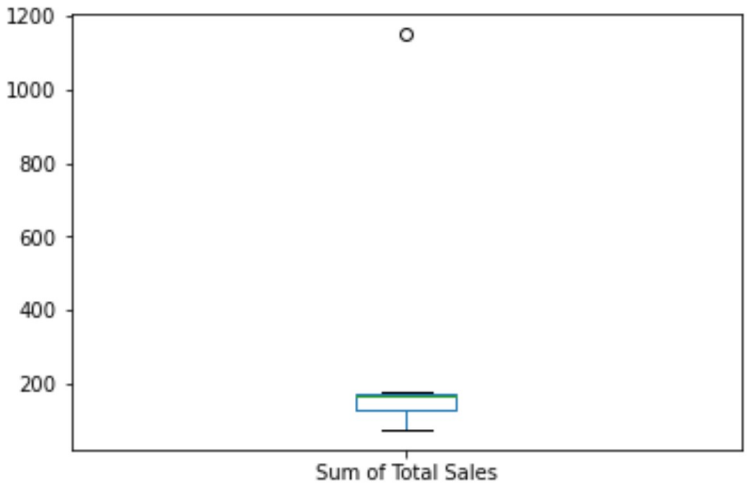
Out[14]: <AxesSubplot:>



BOX PLOT

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

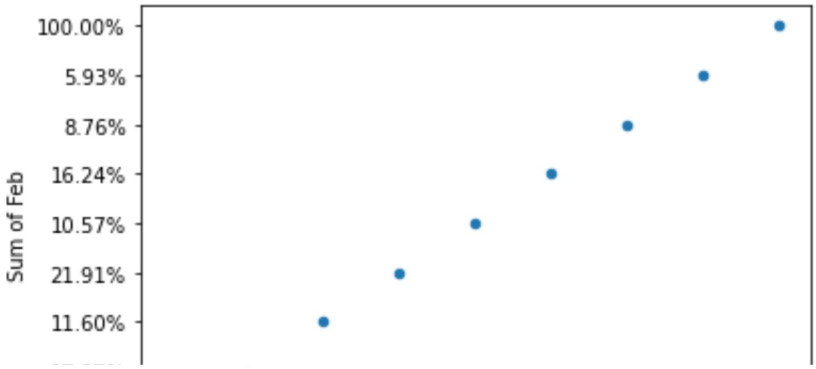
Out[15]: <AxesSubplot:>



SCATTER PLOT

In [17]:
```
data.plot.scatter(x = "Sum of Jan", y = "Sum of Feb" )
```

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



PIE CHART

In [19]:
```
data.plot.pie(y = "Sum of Total Sales")
```

Out[19]: <AxesSubplot:ylabel='Sum of Total Sales'>