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

Line Plot

In [2]:
```
d=pd.read_csv("sales.csv")
d
```

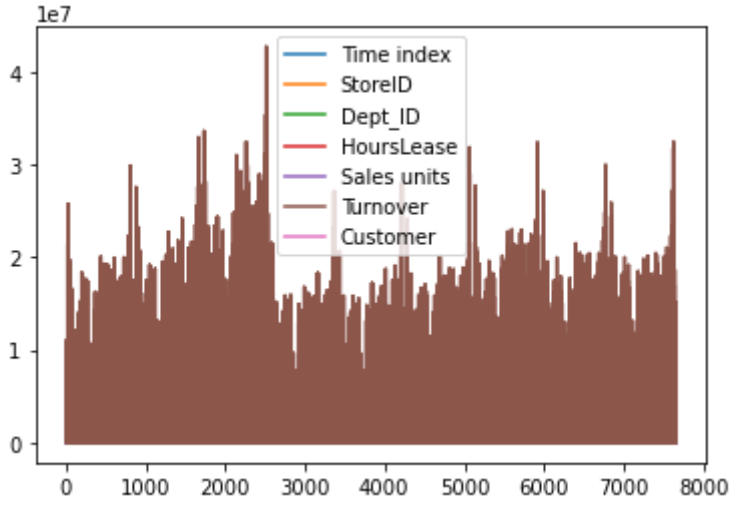
Out[2]:

	MonthYear	Time index	Country	StoreID	City	Dept_ID	Dept. Name	HoursOwn	HoursLeas
0	10.2016	1.0	United Kingdom	88253.0	London (l)	1.0	Dry	3184.764	0.
1	10.2016	1.0	United Kingdom	88253.0	London (l)	2.0	Frozen	1582.941	0.
2	10.2016	1.0	United Kingdom	88253.0	London (l)	3.0	other	47.205	0.
3	10.2016	1.0	United Kingdom	88253.0	London (l)	4.0	Fish	1623.852	0.
4	10.2016	1.0	United Kingdom	88253.0	London (l)	5.0	Fruits & Vegetables	1759.173	0.
...	...	...	...	...	...	...	...	...	.
7653	06.2017	9.0	Sweden	29650.0	Gothenburg	12.0	Checkout	6322.323	0.
7654	06.2017	9.0	Sweden	29650.0	Gothenburg	16.0	Customer Services	4270.479	0.
7655	06.2017	9.0	Sweden	29650.0	Gothenburg	11.0	Delivery	0	0.
7656	06.2017	9.0	Sweden	29650.0	Gothenburg	17.0	others	2224.929	0.
7657	06.2017	9.0	Sweden	29650.0	Gothenburg	18.0	all	39652.2	0.

7658 rows × 14 columns

In [3]:
```
d.plot()
```

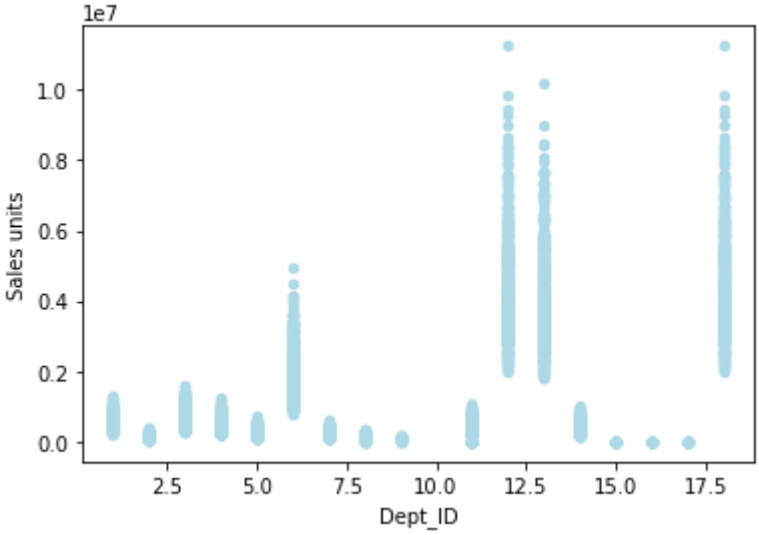
Out[3]:
```
<AxesSubplot:>
```



Scatter Plot

In [4]:
```
d.plot.scatter(x="Dept_ID",y="Sales units",color='lightblue')
```

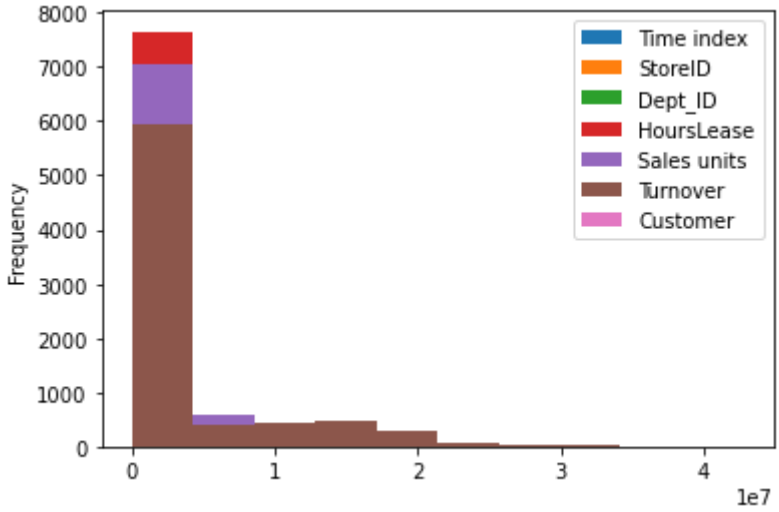
Out[4]: <AxesSubplot:xlabel='Dept_ID', ylabel='Sales units'>



Histogram

In [5]:
```
d.plot.hist()
```

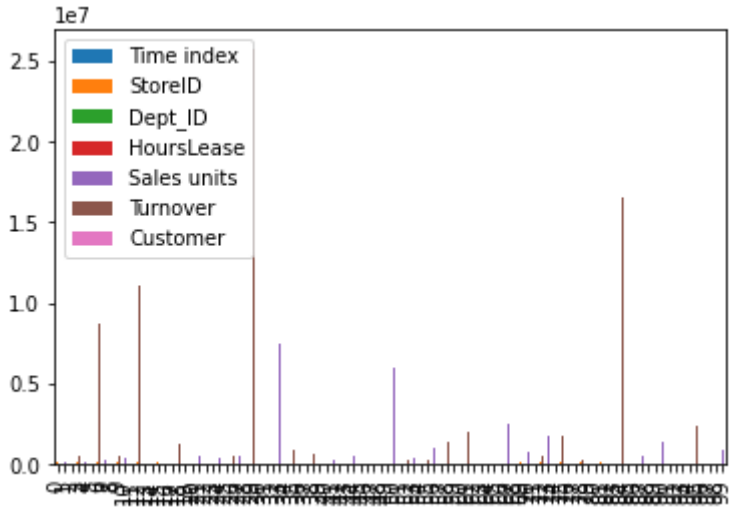
Out[5]: <AxesSubplot:ylabel='Frequency'>



Bar Plot

In [6]:
```
c=d.head(100)
c.plot.bar()
```

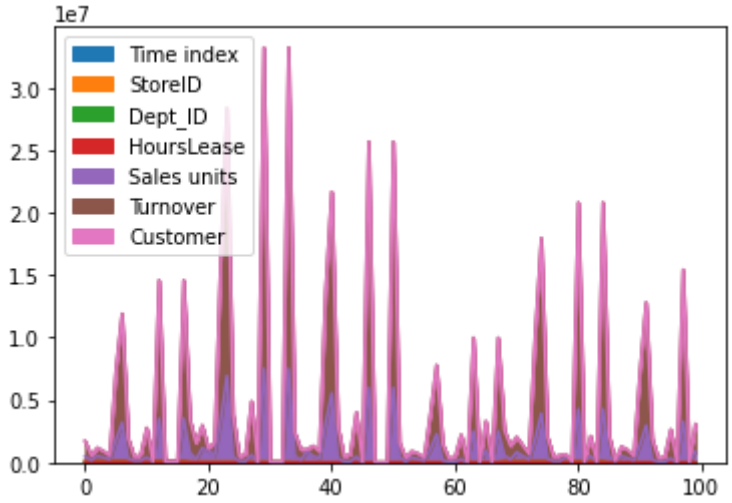
Out[6]: <AxesSubplot:>



Area Plot

In [7]:
```
c.plot.area()
```

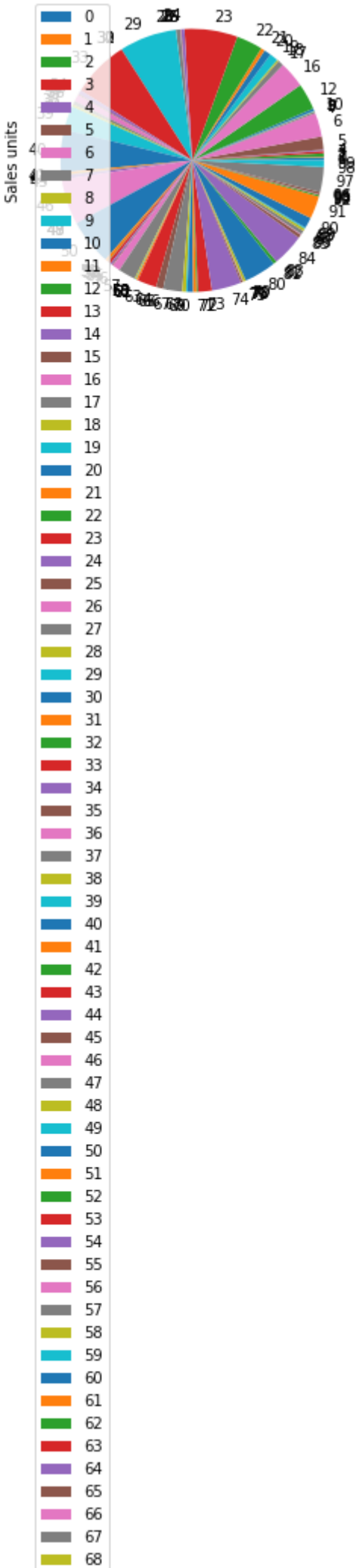
Out[7]: <AxesSubplot:>

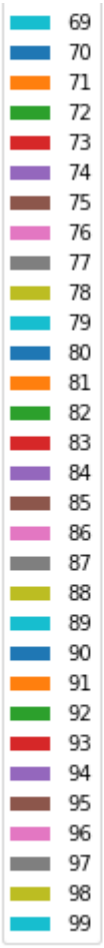


Pie Chart

In [8]:
```
c.plot.pie(y="Sales units")
```

Out[8]:
```
<AxesSubplot:ylabel='Sales units'>
```


Sales units
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68


69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99

In [ ]: