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

Line Plot

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

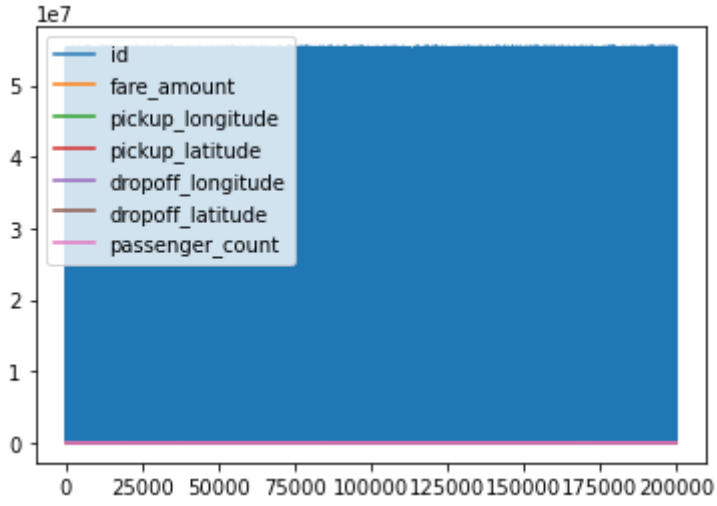
Out[2]:

	id	key	fare_amount	pickup_datetime	pickup_longitude	pickup_latitude	dropo
0	24238194	2015-05-07 19:52:06	7.5	2015-05-07 19:52:06 UTC	-73.999817	40.738354	
1	27835199	2009-07-17 20:04:56	7.7	2009-07-17 20:04:56 UTC	-73.994355	40.728225	
2	44984355	2009-08-24 21:45:00	12.9	2009-08-24 21:45:00 UTC	-74.005043	40.740770	
3	25894730	2009-06-26 08:22:21	5.3	2009-06-26 08:22:21 UTC	-73.976124	40.790844	
4	17610152	2014-08-28 17:47:00	16.0	2014-08-28 17:47:00 UTC	-73.925023	40.744085	
...	...	...	...	...	...	...	
199995	42598914	2012-10-28 10:49:00	3.0	2012-10-28 10:49:00 UTC	-73.987042	40.739367	
199996	16382965	2014-03-14 01:09:00	7.5	2014-03-14 01:09:00 UTC	-73.984722	40.736837	
199997	27804658	2009-06-29 00:42:00	30.9	2009-06-29 00:42:00 UTC	-73.986017	40.756487	
199998	20259894	2015-05-20 14:56:25	14.5	2015-05-20 14:56:25 UTC	-73.997124	40.725452	
199999	11951496	2010-05-15 04:08:00	14.1	2010-05-15 04:08:00 UTC	-73.984395	40.720077	

200000 rows × 9 columns

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

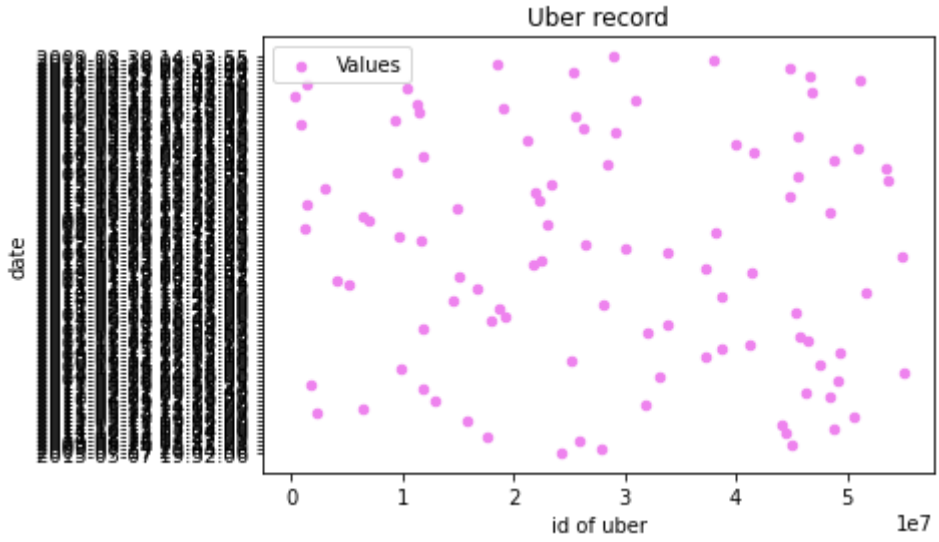
Out[3]: <AxesSubplot:>



Scatter Plot

In [5]:
```
c=d.head(100)
c.plot.scatter(x="id",y="key",label="Values",xlabel="id of uber",ylabel="date",color
```

Out[5]: <AxesSubplot:title={'center':'Uber record'}, xlabel='id of uber', ylabel='date'>



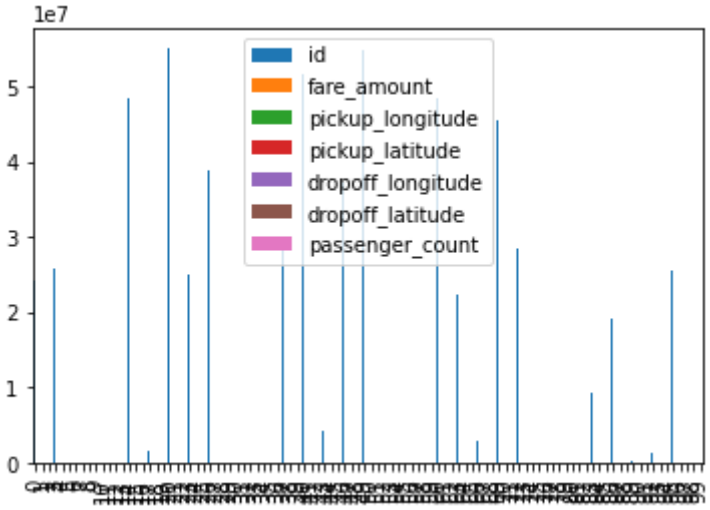
Histogram

In [ ]:
```
c.plot.hist()
```

Bar Plot

In [6]:
```
c.plot.bar()
```

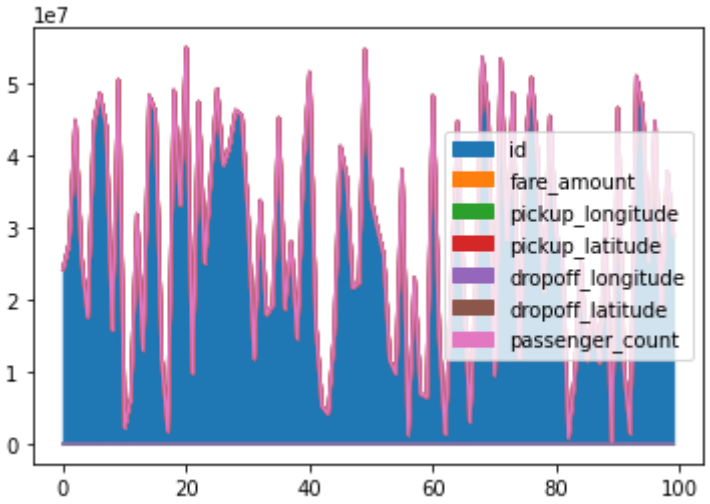
Out[6]: <AxesSubplot:>



Area Plot

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

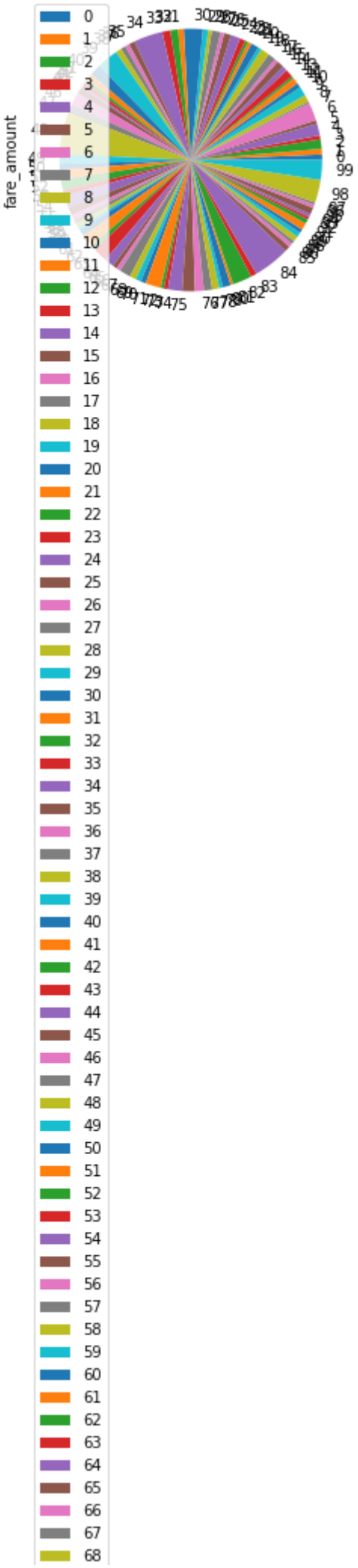
Out[7]: <AxesSubplot:>

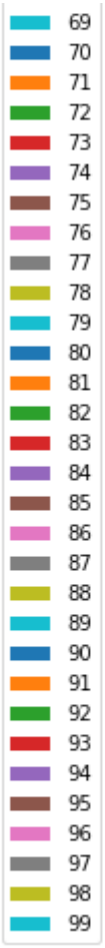


Pie Chart

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

Out[8]: <AxesSubplot:ylabel='fare_amount'>


fare_amount
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 [ ]: