

```
1 D:\ANACONDA3\python.exe D:/Python_file/test.py
2 =====
3 frequent 1-itemsets      support
4 =====
5 frozenset({'8'}) 0.406
6 frozenset({'24'}) 0.2015
7 frozenset({'1'}) 0.468
8 frozenset({'22'}) 0.2125
9 frozenset({'20'}) 0.2515
10 frozenset({'13'}) 0.321
11 frozenset({'9'}) 0.384
12 frozenset({'30'}) 0.157
13 frozenset({'10'}) 0.362
14 frozenset({'16'}) 0.272
15 frozenset({'12'}) 0.336
16 frozenset({'6'}) 0.4205
17 frozenset({'17'}) 0.27
18 frozenset({'5'}) 0.4365
19 frozenset({'15'}) 0.2695
20 frozenset({'26'}) 0.191
21 frozenset({'2'}) 0.476
22 frozenset({'27'}) 0.177
23 frozenset({'19'}) 0.2355
24 frozenset({'31'}) 0.155
25 frozenset({'3'}) 0.4675
26 frozenset({'11'}) 0.3455
27 frozenset({'18'}) 0.2585
28 frozenset({'4'}) 0.4245
29 frozenset({'29'}) 0.166
30 frozenset({'21'}) 0.234
31 frozenset({'7'}) 0.4
32 frozenset({'25'}) 0.189
33 frozenset({'23'}) 0.2195
34 frozenset({'28'}) 0.163
35 frozenset({'14'}) 0.31
36 =====
37 frequent 2-itemsets      support
38 =====
39 frozenset({'4', '3'}) 0.2285
40 frozenset({'2', '8'}) 0.232
41 frozenset({'1', '2'}) 0.2605
42 frozenset({'12', '9'}) 0.15
43 frozenset({'10', '9'}) 0.1665
44 frozenset({'1', '15'}) 0.1535
45 frozenset({'1', '3'}) 0.2575
46 frozenset({'17', '2'}) 0.158
```

```
47 frozenset({'1', '9'}) 0.2165
48 frozenset({'15', '3'}) 0.1545
49 frozenset({'6', '5'}) 0.205
50 frozenset({'8', '9'}) 0.191
51 frozenset({'16', '3'}) 0.151
52 frozenset({'10', '3'}) 0.2
53 frozenset({'12', '3'}) 0.185
54 frozenset({'17', '3'}) 0.1555
55 frozenset({'11', '9'}) 0.153
56 frozenset({'4', '9'}) 0.1855
57 frozenset({'6', '9'}) 0.1905
58 frozenset({'1', '5'}) 0.2435
59 frozenset({'1', '16'}) 0.151
60 frozenset({'1', '10'}) 0.201
61 frozenset({'1', '12'}) 0.19
62 frozenset({'5', '13'}) 0.159
63 frozenset({'6', '13'}) 0.1525
64 frozenset({'3', '9'}) 0.2085
65 frozenset({'10', '12'}) 0.15
66 frozenset({'11', '1'}) 0.1925
67 frozenset({'4', '8'}) 0.2015
68 frozenset({'2', '3'}) 0.268
69 frozenset({'4', '1'}) 0.233
70 frozenset({'1', '6'}) 0.24
71 frozenset({'3', '5'}) 0.2425
72 frozenset({'3', '6'}) 0.226
73 frozenset({'2', '7'}) 0.227
74 frozenset({'4', '12'}) 0.165
75 frozenset({'11', '3'}) 0.196
76 frozenset({'4', '10'}) 0.1865
77 frozenset({'2', '14'}) 0.175
78 frozenset({'10', '7'}) 0.1735
79 frozenset({'12', '7'}) 0.164
80 frozenset({'4', '2'}) 0.2425
81 frozenset({'8', '3'}) 0.2235
82 frozenset({'8', '12'}) 0.1635
83 frozenset({'8', '10'}) 0.176
84 frozenset({'2', '13'}) 0.183
85 frozenset({'4', '5'}) 0.2095
86 frozenset({'1', '7'}) 0.2265
87 frozenset({'11', '5'}) 0.172
88 frozenset({'8', '7'}) 0.1905
89 frozenset({'11', '6'}) 0.177
90 frozenset({'11', '4'}) 0.1775
91 frozenset({'8', '5'}) 0.215
92 frozenset({'4', '7'}) 0.2115
```

```
93 frozenset({'7', '5'}) 0.2045
94 frozenset({'2', '10'}) 0.206
95 frozenset({'6', '7'}) 0.2055
96 frozenset({'2', '12'}) 0.1805
97 frozenset({'11', '8'}) 0.1625
98 frozenset({'8', '13'}) 0.154
99 frozenset({'10', '5'}) 0.1875
100 frozenset({'12', '5'}) 0.1735
101 frozenset({'1', '17'}) 0.1515
102 frozenset({'4', '13'}) 0.1625
103 frozenset({'4', '6'}) 0.211
104 frozenset({'14', '5'}) 0.1595
105 frozenset({'14', '6'}) 0.1605
106 frozenset({'7', '9'}) 0.1825
107 frozenset({'1', '18'}) 0.155
108 frozenset({'8', '6'}) 0.206
109 frozenset({'11', '7'}) 0.1685
110 frozenset({'1', '14'}) 0.1745
111 frozenset({'12', '6'}) 0.1675
112 frozenset({'2', '9'}) 0.2245
113 frozenset({'10', '6'}) 0.18
114 frozenset({'1', '13'}) 0.1755
115 frozenset({'2', '5'}) 0.2415
116 frozenset({'2', '6'}) 0.224
117 frozenset({'3', '7'}) 0.2235
118 frozenset({'11', '2'}) 0.185
119 frozenset({'1', '8'}) 0.222
120 frozenset({'3', '13'}) 0.1685
121 frozenset({'5', '9'}) 0.188
122 frozenset({'14', '3'}) 0.1695
123 =====
124 frequent 3-itemsets      support
125 =====
126 frozenset({'1', '3', '2'}) 0.1575
127 =====
128 No Big Rules!
129
130 Process finished with exit code 0
131
```