

In [49]:

```
import numpy as np  
import pandas as pd
```

executed in 4ms, finished 19:53:00 2021-12-19

In [50]:

```
filepath_01 = r"C:\Users\Administrator\Desktop\Excel表格\测试数据.xlsx"
df1=pd.read_excel(filepath_01,sheet_name = 'Sheet1')
df1
```

executed in 100ms, finished 19:53:04 2021-12-19

Out[50]:

	日期	销售额
0	2020-01-01	1
1	2020-01-02	2
2	2020-01-03	3
3	2020-01-04	4
4	2020-01-05	5
5	2020-01-06	6
6	2020-01-07	7
7	2020-01-08	8
8	2020-01-09	9
9	2020-01-10	10
10	2020-01-11	11
11	2020-01-12	12
12	2020-01-13	13
13	2020-01-14	14
14	2020-01-15	15
15	2020-01-16	16
16	2020-01-17	17
17	2020-01-18	18
18	2020-01-19	19
19	2020-01-20	20
20	2020-01-21	21
21	2020-01-22	22
22	2020-01-23	23
23	2020-01-24	24
24	2020-01-25	25
25	2020-01-26	26
26	2020-01-27	27
27	2020-01-28	28
28	2020-01-29	29
29	2020-01-30	30
...	...	...
1335	2020-12-02	1336

	日期	销售额
1336	2020-12-03	1337
1337	2020-12-04	1338
1338	2020-12-05	1339
1339	2020-12-06	1340
1340	2020-12-07	1341
1341	2020-12-08	1342
1342	2020-12-09	1343
1343	2020-12-10	1344
1344	2020-12-11	1345
1345	2020-12-12	1346
1346	2020-12-13	1347
1347	2020-12-14	1348
1348	2020-12-15	1349
1349	2020-12-16	1350
1350	2020-12-17	1351
1351	2020-12-18	1352
1352	2020-12-19	1353
1353	2020-12-20	1354
1354	2020-12-21	1355
1355	2020-12-22	1356
1356	2020-12-23	1357
1357	2020-12-24	1358
1358	2020-12-25	1359
1359	2020-12-26	1360
1360	2020-12-27	1361
1361	2020-12-28	1362
1362	2020-12-29	1363
1363	2020-12-30	1364
1364	2020-12-31	1365

1365 rows × 2 columns

In [52]:

```
import datetime
#df['date'] = pd.to_datetime(df['date']) #将数据类型转换为日期类型
#df = df.set_index('date') # 将date设置为index
df1['date'] =pd.to_datetime(df1['日期'])
df1 = df1.set_index('date')
```

executed in 6ms, finished 19:53:38 2021-12-19

In [65]:

```
##按每日汇总求和
df33=df1.resample('D').sum()
df33
```

executed in 25ms, finished 20:15:15 2021-12-19

Out[65]:

销售额	
date	
2020-01-01	1001
2020-01-02	1003
2020-01-03	1005
2020-01-04	1007
2020-01-05	1009
2020-01-06	1011
2020-01-07	1013
2020-01-08	1015
2020-01-09	1017
2020-01-10	1019
2020-01-11	1021
2020-01-12	1023
2020-01-13	1025
2020-01-14	1027
2020-01-15	1029
2020-01-16	1031
2020-01-17	1033
2020-01-18	1035
2020-01-19	1037
2020-01-20	1039
2020-01-21	1041
2020-01-22	1043
2020-01-23	1045
2020-01-24	1047
2020-01-25	1049
2020-01-26	1051
2020-01-27	1053
2020-01-28	1055
2020-01-29	1057
2020-01-30	1059
...	...

销售额	
date	
2022-08-27	970
2022-08-28	971
2022-08-29	972
2022-08-30	973
2022-08-31	974
2022-09-01	975
2022-09-02	976
2022-09-03	977
2022-09-04	978
2022-09-05	979
2022-09-06	980
2022-09-07	981
2022-09-08	982
2022-09-09	983
2022-09-10	984
2022-09-11	985
2022-09-12	986
2022-09-13	987
2022-09-14	988
2022-09-15	989
2022-09-16	990
2022-09-17	991
2022-09-18	992
2022-09-19	993
2022-09-20	994
2022-09-21	995
2022-09-22	996
2022-09-23	997
2022-09-24	998
2022-09-25	999

999 rows × 1 columns

In [54]:

```
#按月汇总求和
print(df1.resample('M').sum())
```

executed in 23ms, finished 20:06:43 2021-12-19

	销售额
date	
2020-01-31	31961
2020-02-29	31639
2020-03-31	35681
2020-04-30	36360
2020-05-31	39463
2020-06-30	40020
2020-07-31	43245
2020-08-31	45167
2020-09-30	45540
2020-10-31	48949
2020-11-30	49200
2020-12-31	52731
2021-01-31	11842
2021-02-28	11522
2021-03-31	13671
2021-04-30	14145
2021-05-31	15562
2021-06-30	15975
2021-07-31	17453
2021-08-31	18414
2021-09-30	18735
2021-10-31	20305
2021-11-30	20565
2021-12-31	22196
2022-01-31	23157
2022-02-28	21742
2022-03-31	24986
2022-04-30	25095
2022-05-31	26877
2022-06-30	26925
2022-07-31	28768
2022-08-31	29729
2022-09-30	24675

In [67]:

```
#按季度汇总求和
df54=df1.resample('Q').sum()
df54
```

executed in 26ms, finished 20:16:46 2021-12-19

Out[67]:

销售额	
date	
2020-03-31	99281
2020-06-30	115843
2020-09-30	133952
2020-12-31	150880
2021-03-31	37035
2021-06-30	45682
2021-09-30	54602
2021-12-31	63066
2022-03-31	69885
2022-06-30	78897
2022-09-30	83172

In [66]:

```
#按年汇总求和
df55=df1.resample('Y').sum()
df55
```

executed in 37ms, finished 20:16:26 2021-12-19

Out[66]:

销售额	
date	
2020-12-31	499956
2021-12-31	200385
2022-12-31	231954

In []:

