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STA 9760 - Big Data Technologies
Project #3 - Extra Credit
5/16/21

In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

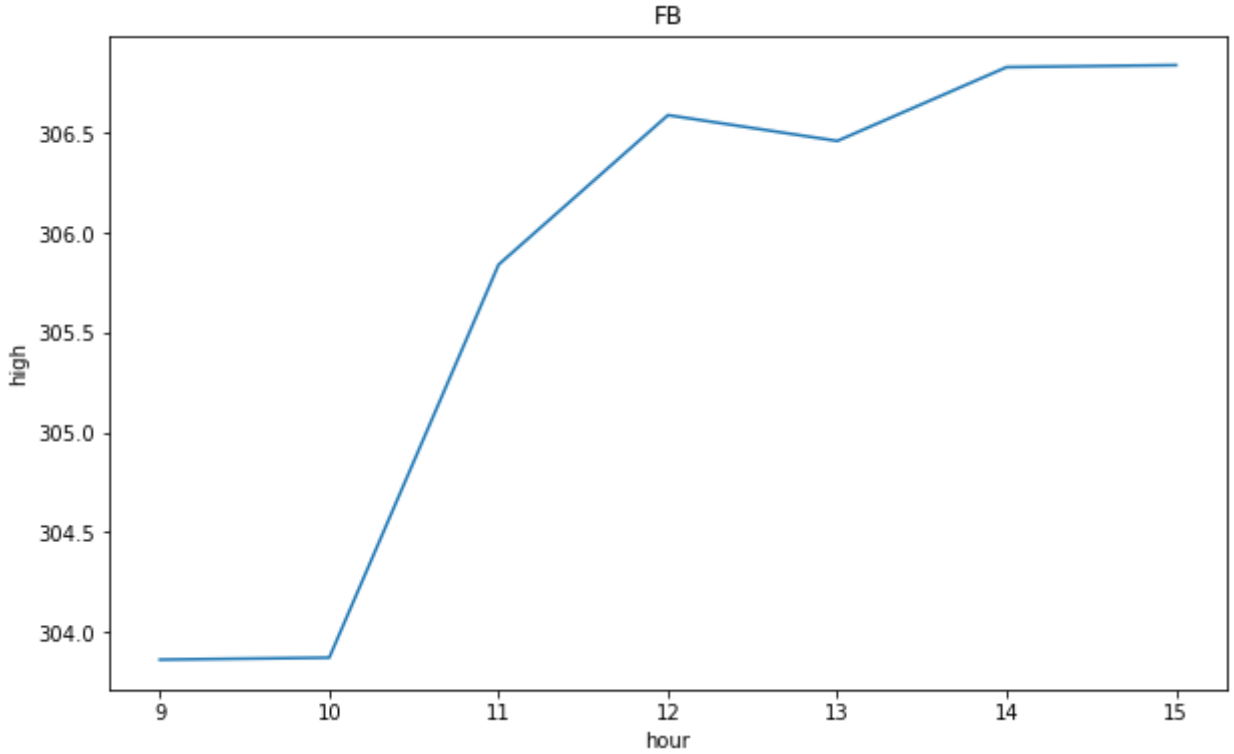
In [2]:
```
df_results = pd.read_csv('results.csv')
df_results
```

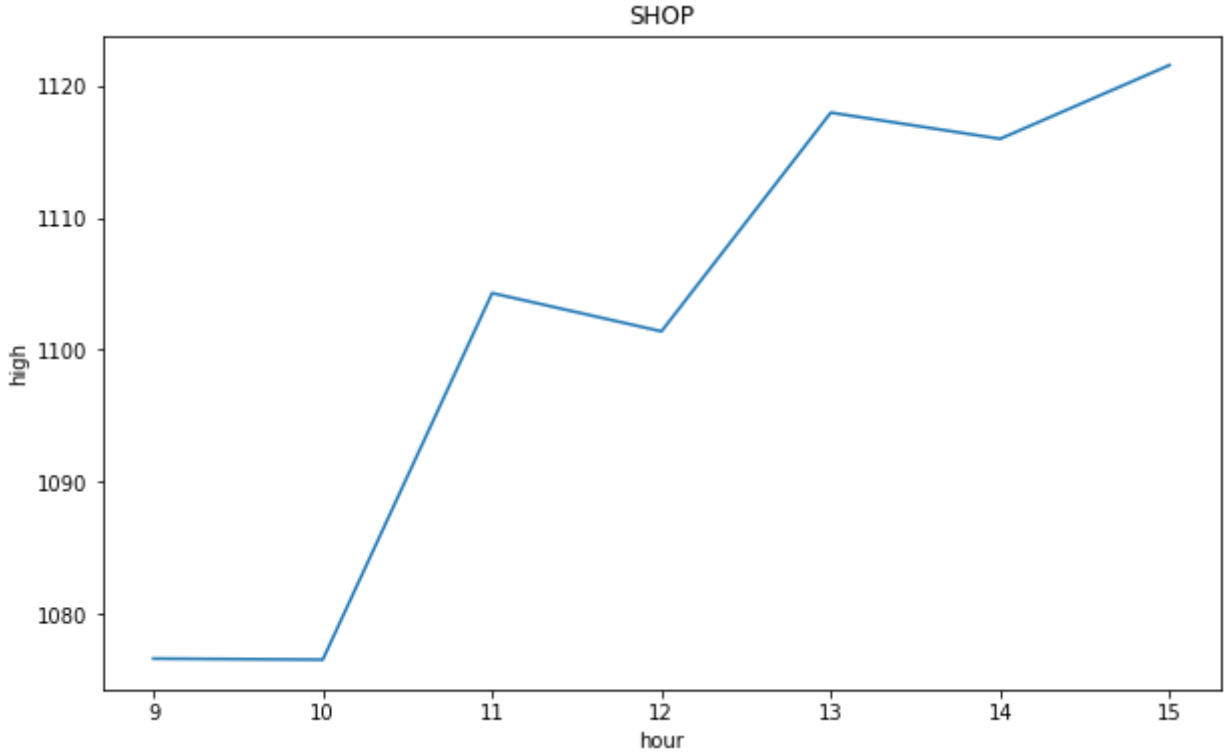
Out[2]:

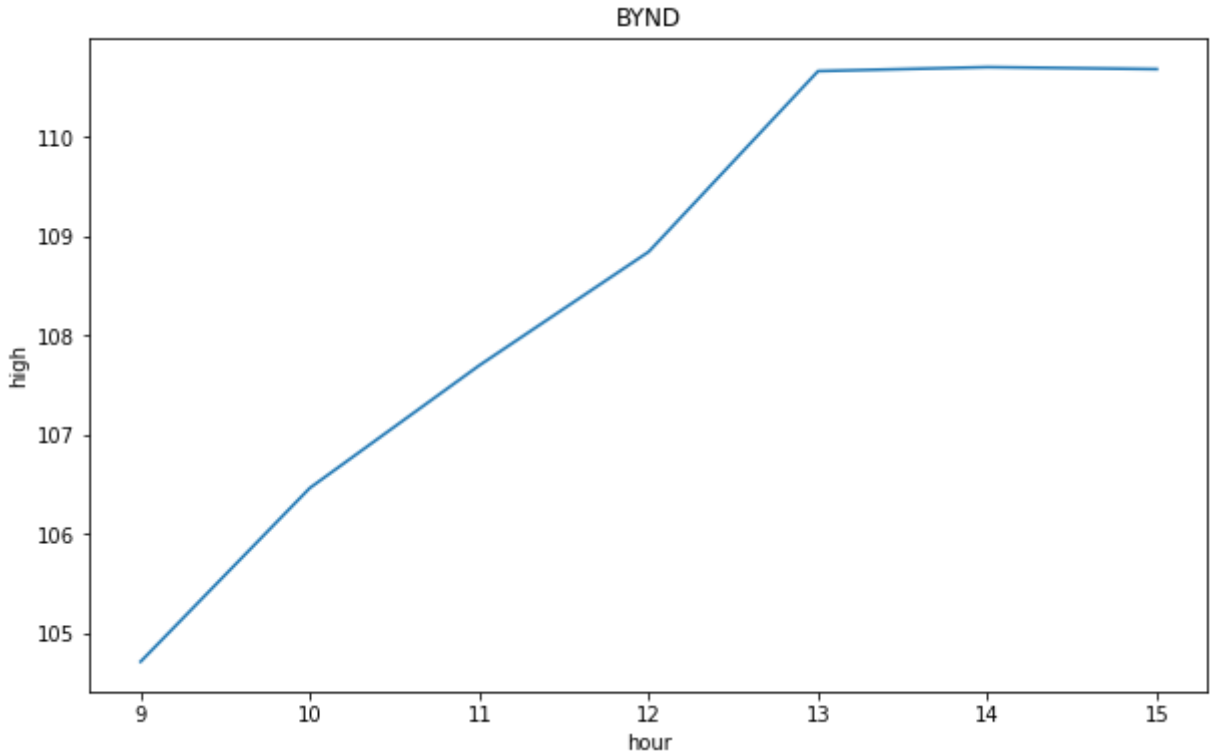
	name	high	ts	hour
0	BYND	104.709999	2021-05-11 09:55:00-04:00	9
1	BYND	106.460999	2021-05-11 10:55:00-04:00	10
2	BYND	107.695000	2021-05-11 11:55:00-04:00	11
3	BYND	108.839996	2021-05-11 12:55:00-04:00	12
4	BYND	110.660004	2021-05-11 13:45:00-04:00	13
...	...	...	...	...
65	TTD	494.500000	2021-05-11 11:50:00-04:00	11
66	TTD	491.440002	2021-05-11 12:00:00-04:00	12
67	TTD	497.220001	2021-05-11 13:35:00-04:00	13
68	TTD	508.669891	2021-05-11 14:45:00-04:00	14
69	TTD	515.531311	2021-05-11 15:50:00-04:00	15

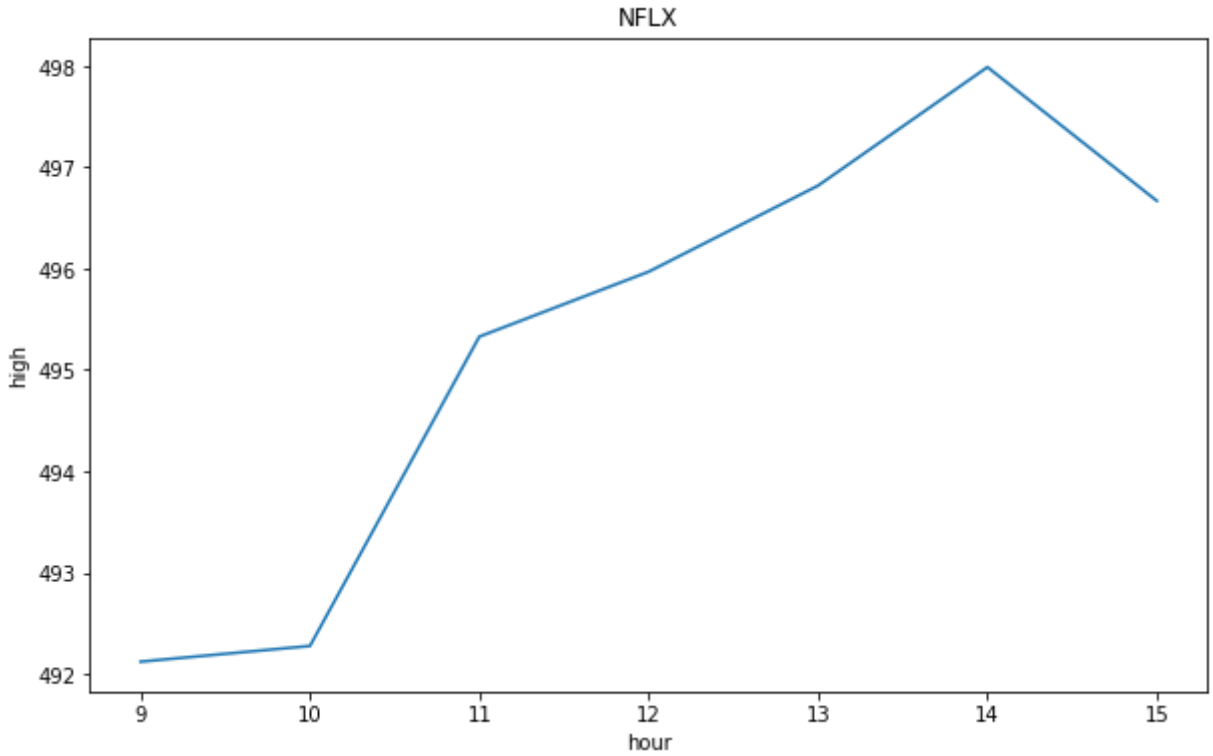
70 rows × 4 columns

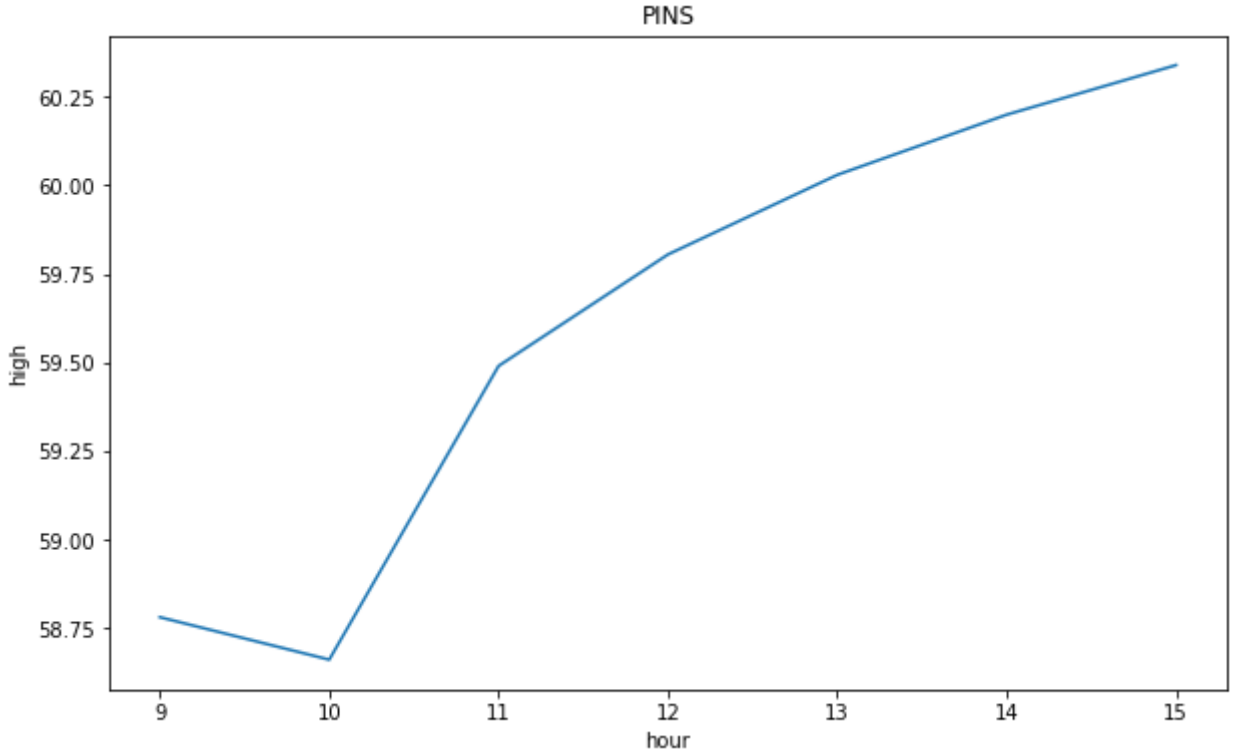
In [3]:
```
stock_list = ['FB', 'SHOP', 'BYND', 'NFLX', 'PINS', 'SQ', 'TTD', 'OKTA', 'SNAP', 'DDOG']
for stock in stock_list:
    fig = plt.figure(figsize=(10,6))
    sns.lineplot(data=df_results[df_results.name == stock], x='hour', y='high')
    plt.title(stock)
    plt.show()
```

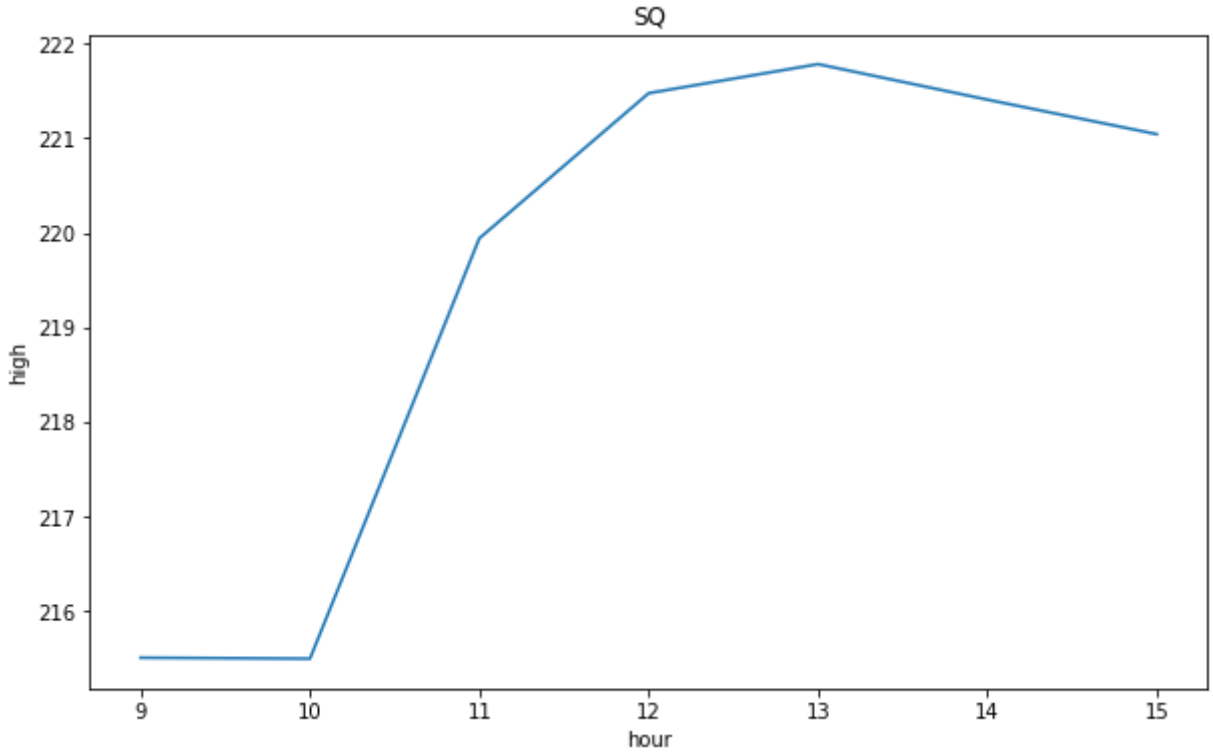

FB
high
hour
306.5
306.0
305.5
305.0
304.5
304.0
9
10
11
12
13
14
15

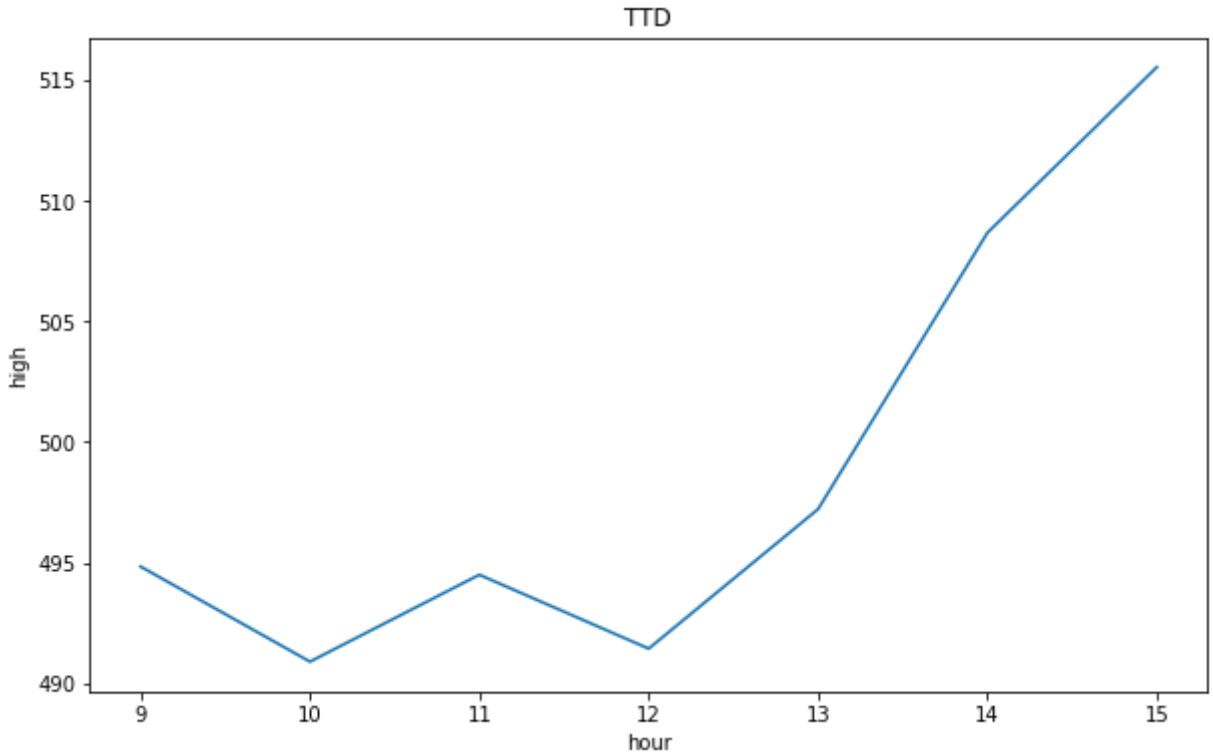

SHOP
high
1120
1110
1100
1090
1080
9
10
11
12
13
14
15
hour

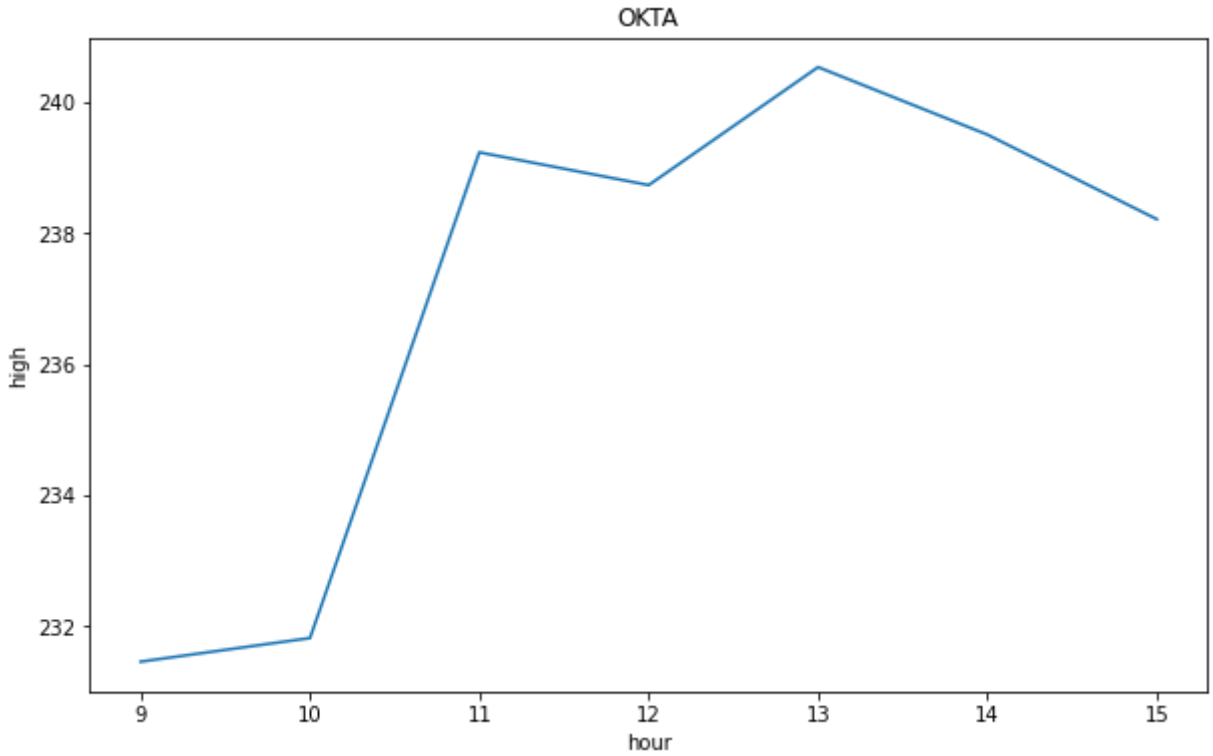

BYND
high
hour
105
106
107
108
109
110
9
10
11
12
13
14
15

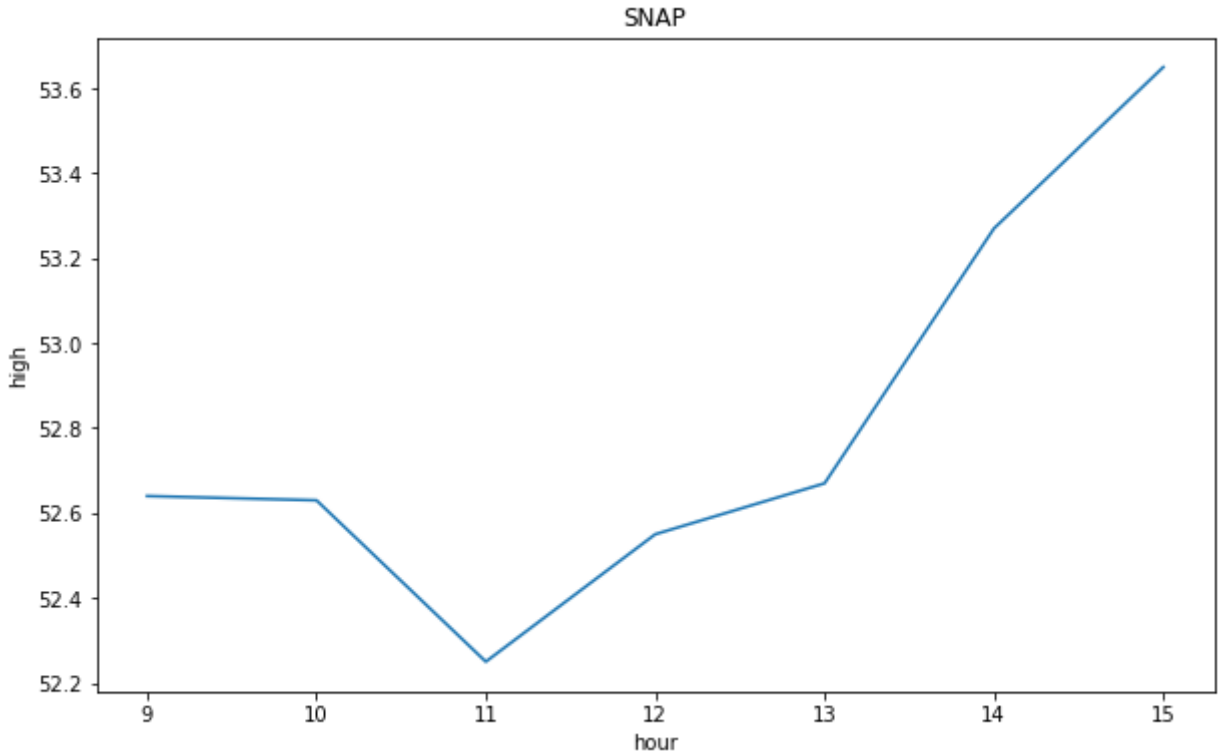

NFLX
498
497
496
495
494
493
492
high
9
10
11
12
13
14
15
hour

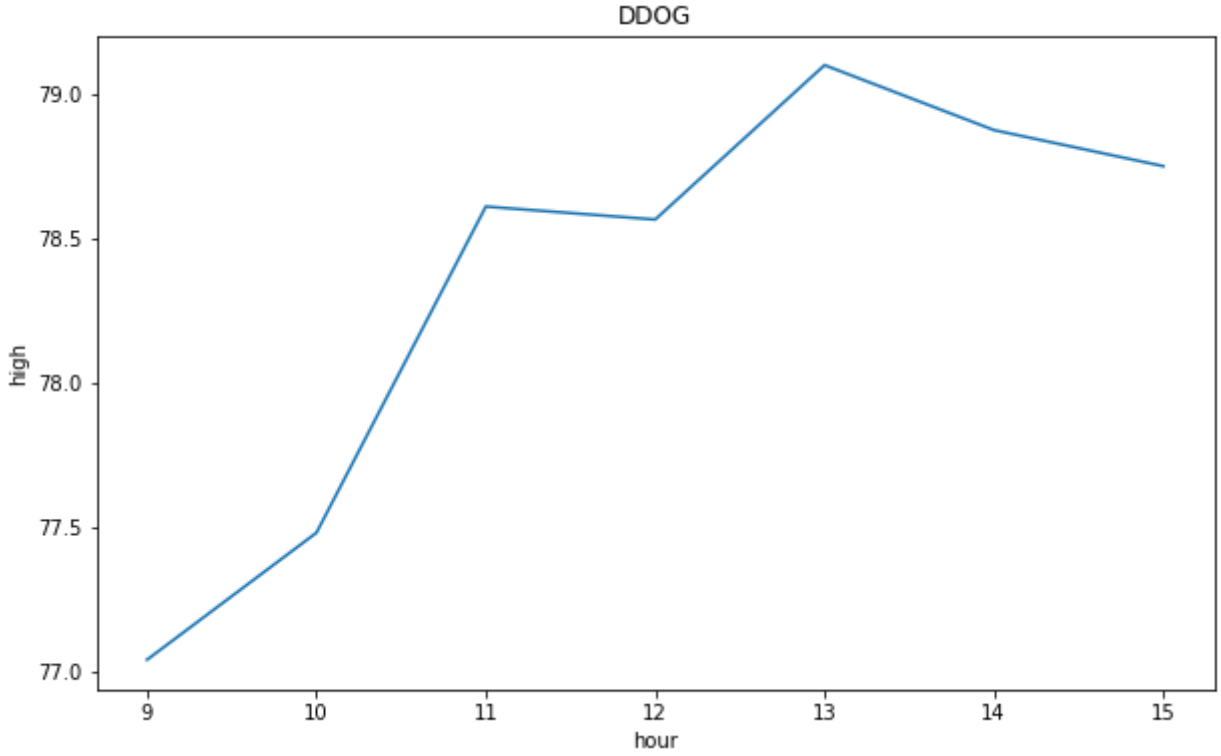

PINS
high
60.25
60.00
59.75
59.50
59.25
59.00
58.75
9
10
11
12
13
14
15
hour


SQ
222
221
220
219
218
217
216
high
9
10
11
12
13
14
15
hour


TTD
high
hour
515
510
505
500
495
490
9
10
11
12
13
14
15

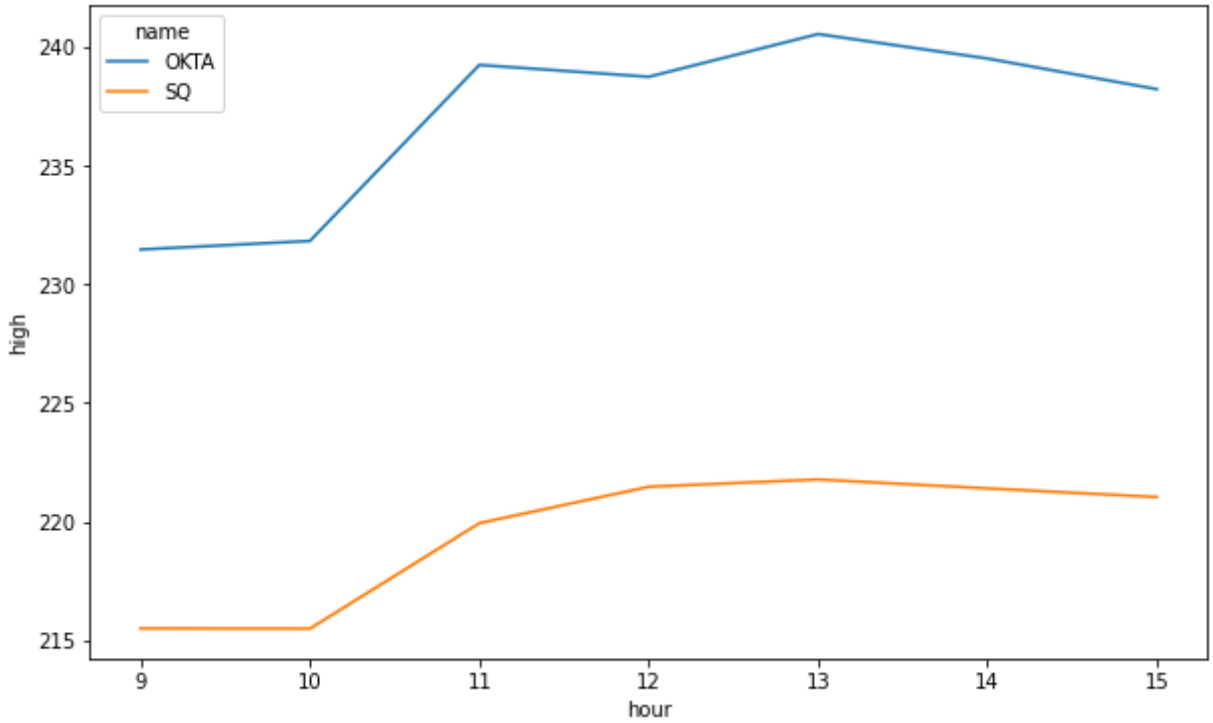

OKTA
240
238
236
234
232
high
9
10
11
12
13
14
15
hour


SNAP
high
hour
53.6
53.4
53.2
53.0
52.8
52.6
52.4
52.2
9
10
11
12
13
14
15


DDOG
high
79.0
78.5
78.0
77.5
77.0
9
10
11
12
13
14
15
hour

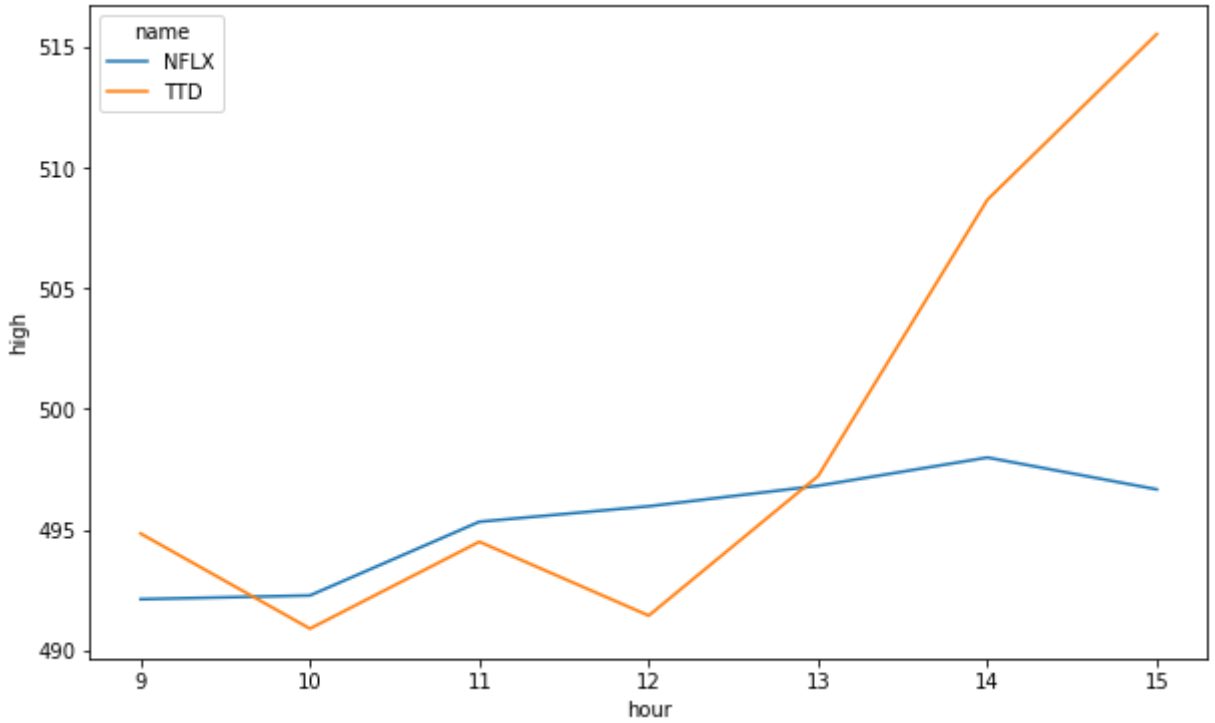
In [4]:
```
fig = plt.figure(figsize=(10,6))
sns.lineplot(data=df_results[(df_results.name == 'SQ') | (df_results.name == 'OKTA')],
             x='hour', y='high', hue='name')
```

Out[4]: <AxesSubplot:xlabel='hour', ylabel='high'>



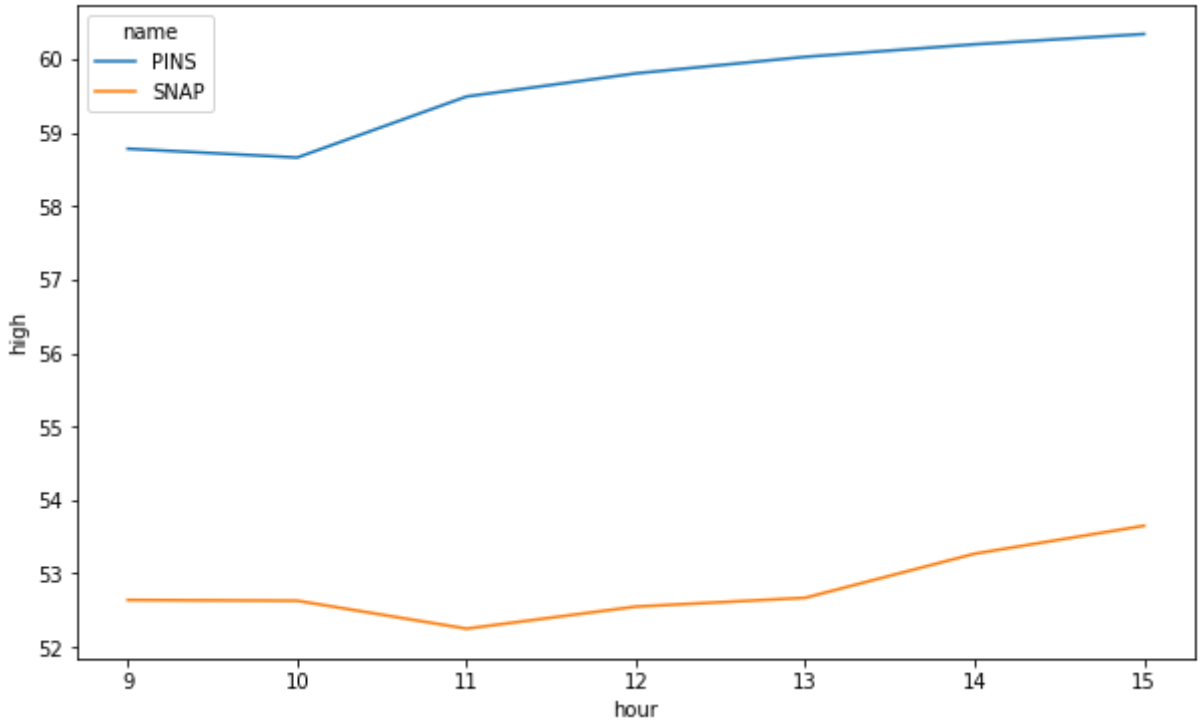
In [5]:
```
fig = plt.figure(figsize=(10,6))
sns.lineplot(data=df_results[(df_results.name == 'NFLX') | (df_results.name == 'TTD')],
             x='hour', y='high', hue='name')
```

Out[5]: <AxesSubplot:xlabel='hour', ylabel='high'>



In [6]:
```
fig = plt.figure(figsize=(10,6))
sns.lineplot(data=df_results[(df_results.name == 'SNAP') | (df_results.name == 'PINS')],
             x='hour', y='high', hue='name')
```

Out[6]: <AxesSubplot:xlabel='hour', ylabel='high'>



In [ ]: