

```
In [14]: import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt

%matplotlib inline
```

```
In [15]: df = pd.read_csv("results.csv")
df
```

```
Out[15]:
```

	Company	High	Hour	DateTime
0	BYND	74.49	9	2021-12-09 09:35:00
1	BYND	73.58	10	2021-12-09 10:05:00
2	BYND	71.56	11	2021-12-09 11:30:00
3	BYND	71.36	12	2021-12-09 12:55:00
4	BYND	71.31	13	2021-12-09 13:00:00
...
67	TTD	97.22	11	2021-12-09 11:30:00
68	TTD	96.50	12	2021-12-09 12:45:00
69	TTD	96.33	13	2021-12-09 13:00:00
70	TTD	95.41	14	2021-12-09 14:05:00
71	TTD	94.98	15	2021-12-09 15:45:00

72 rows × 4 columns

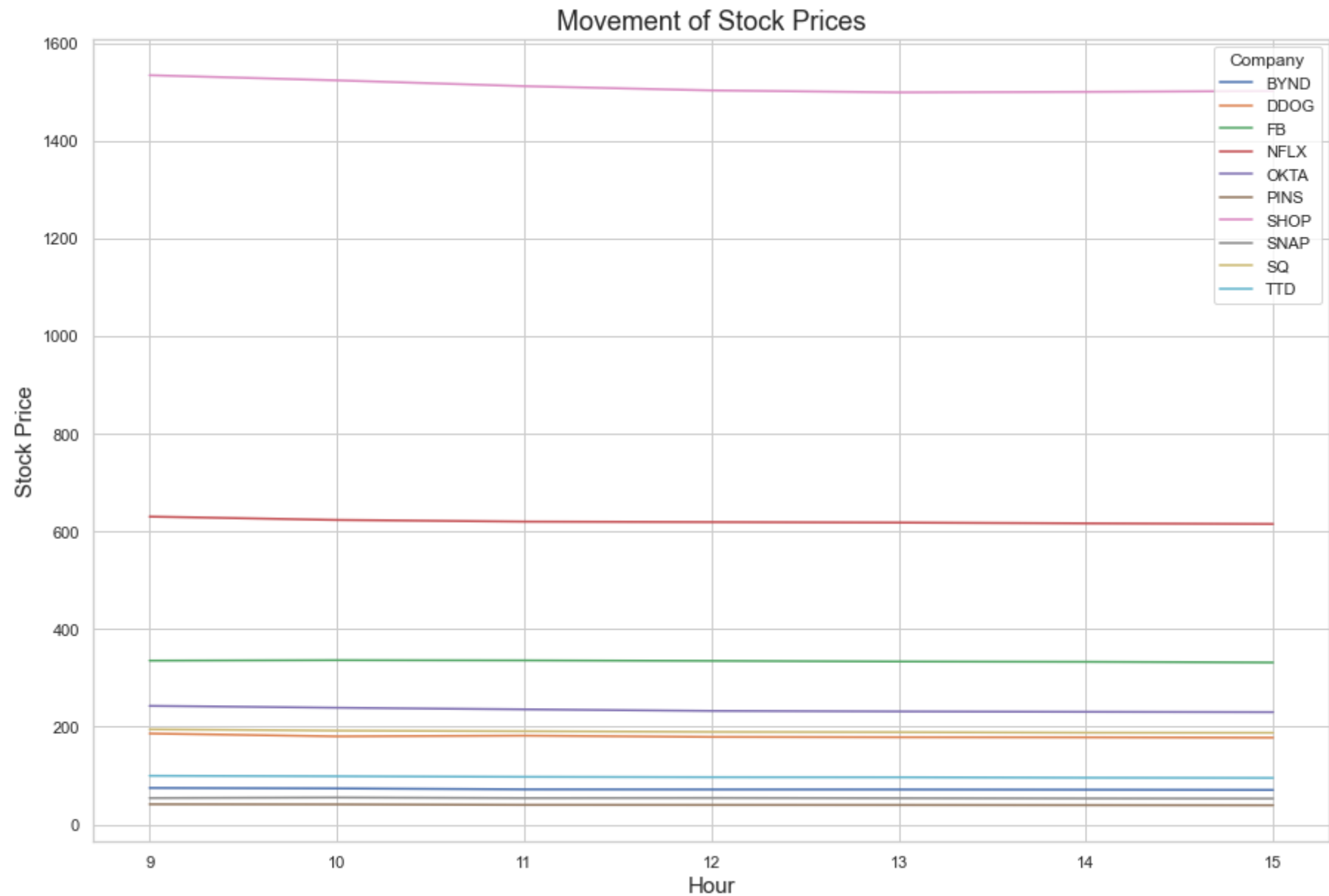
```
In [16]: df['Company'].unique()
```

```
Out[16]: array(['BYND', 'DDOG', 'FB', 'NFLX', 'OKTA', 'PINS', 'SHOP', 'SNAP', 'SQ',
               'TTD'], dtype=object)
```

LINE GRPAH

```
In [17]: sns.set_style('whitegrid')
plt.figure(figsize=(15,10))
sns.lineplot(data=df, x="Hour", y="High", hue="Company")
plt.xlabel("Hour",fontsize=15)
plt.ylabel("Stock Price",fontsize=15)
plt.title("Movement of Stock Prices",fontsize=18)
```

```
Out[17]: Text(0.5, 1.0, 'Movement of Stock Prices')
```



Opening vs Closing Price

```
In [18]: sns.set(style="whitegrid")
```

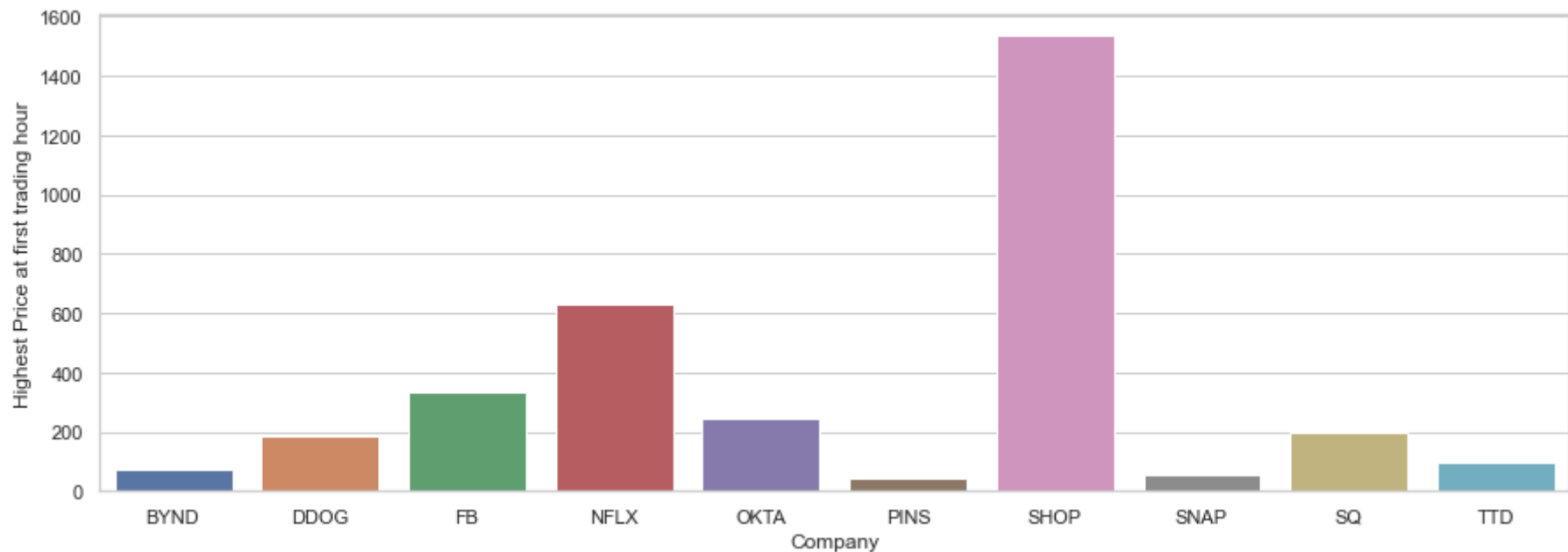
```
df9 = df[(df['Hour'] == 9)]

fig = plt.figure(figsize=(15,5))

bar_company = sns.barplot(x="Company", y="High", data=df9)

bar_company.set(xlabel='Company', ylabel='Highest Price at first trading hour')

plt.show()
```



In [19]:

```
sns.set(style="whitegrid")

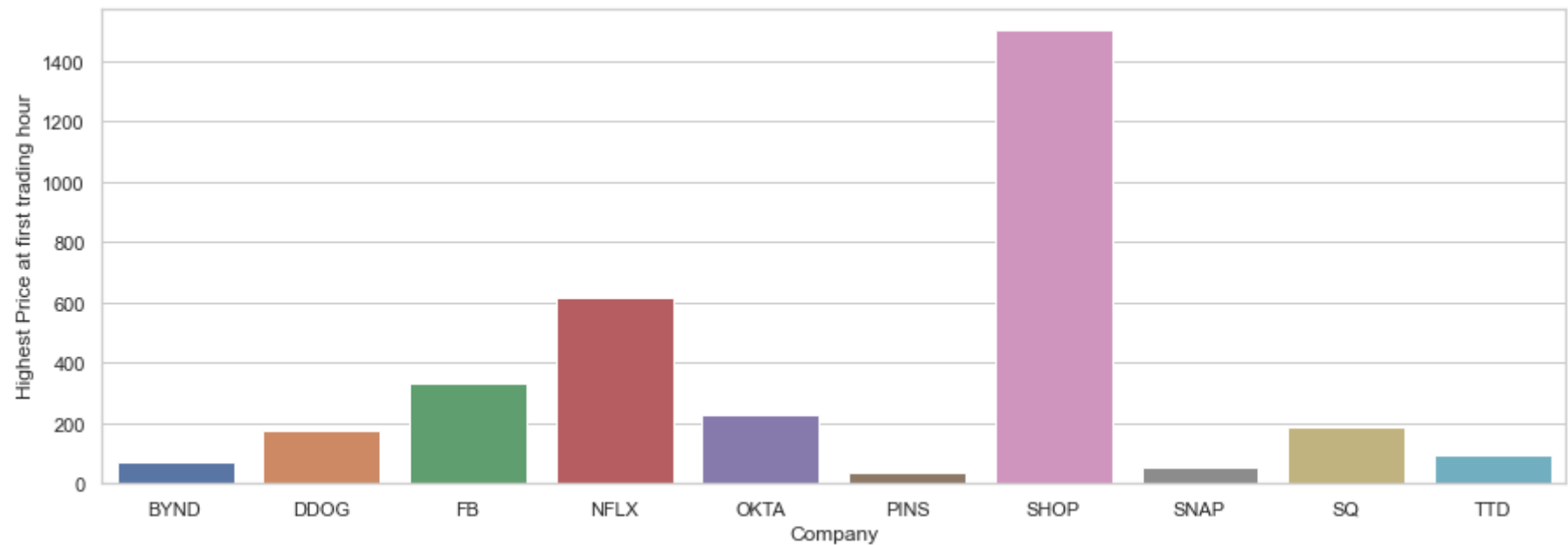
df9 = df[(df['Hour'] == 15)]

fig = plt.figure(figsize=(15,5))

bar_company = sns.barplot(x="Company", y="High", data=df9)

bar_company.set(xlabel='Company', ylabel='Highest Price at first trading hour')

plt.show()
```



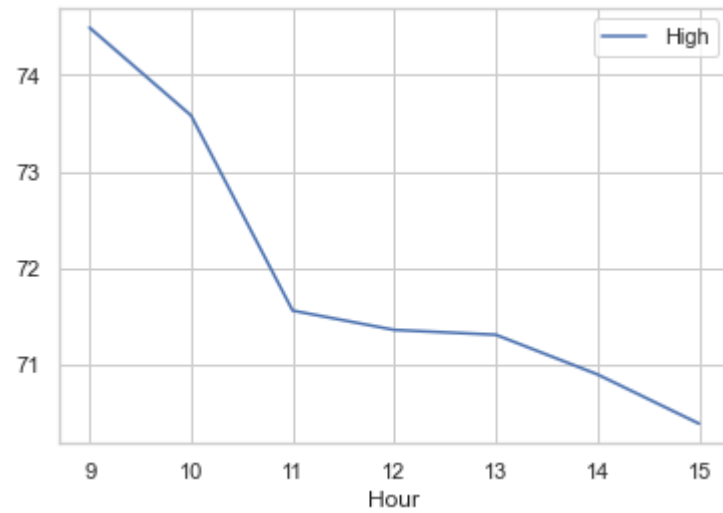
LINE GRAPH TO TRACK UPWARD AND DOWNWARD MOVEMENT OF STOCK PRICES

In [20]:

```
for x in df['Company'].unique():  
    print('Company:', x)  
    line = df[df['Company'] == x].loc[:, ['Hour', 'High']]  
    print(line.set_index('Hour').plot(kind='line'))  
    plt.show()
```

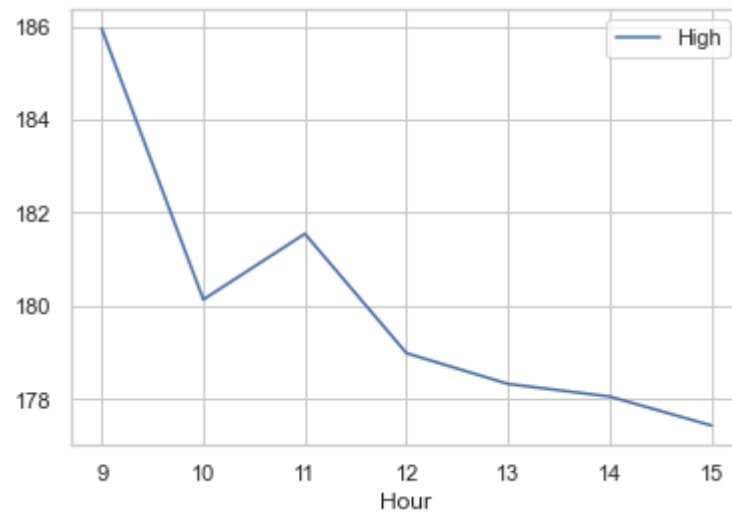
Company: BYND

AxesSubplot(0.125,0.125;0.775x0.755)



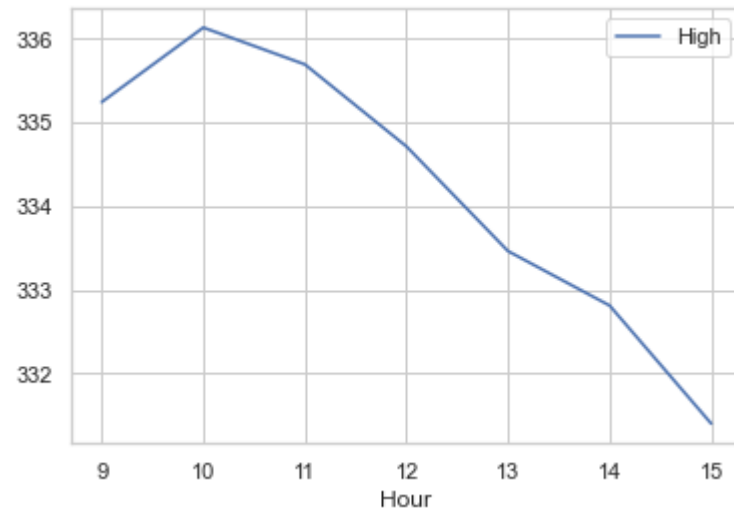
Company: DDOG

AxesSubplot(0.125,0.125;0.775x0.755)



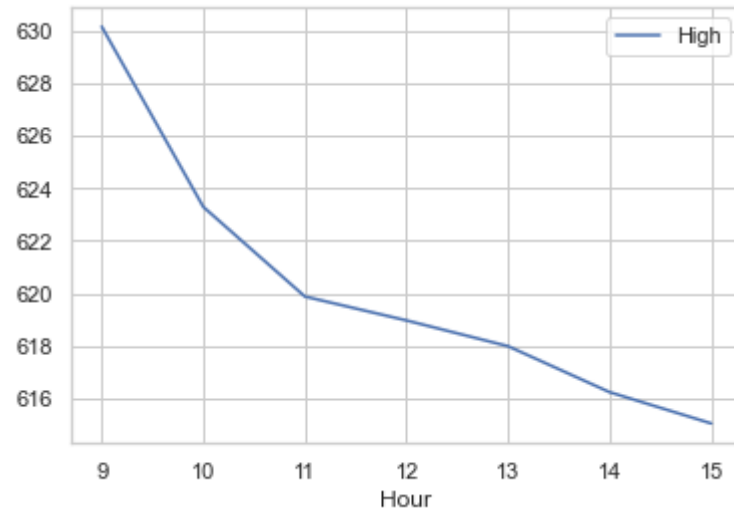
Company: FB

AxesSubplot(0.125,0.125;0.775x0.755)



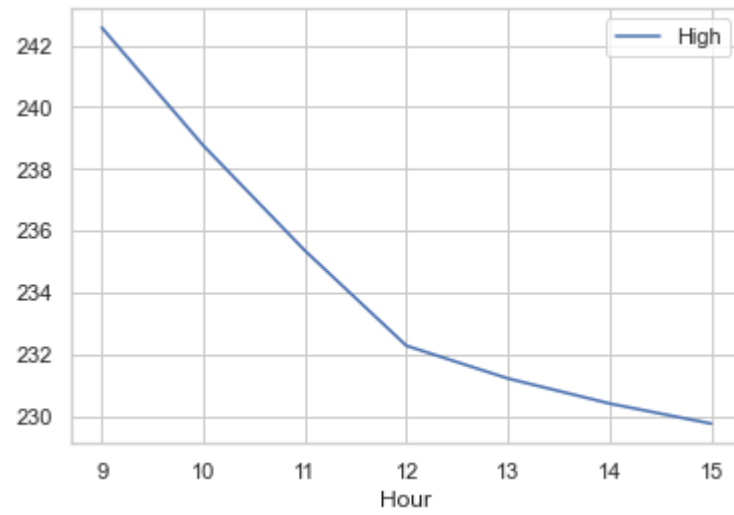
Company: NFLX

AxesSubplot(0.125,0.125;0.775x0.755)



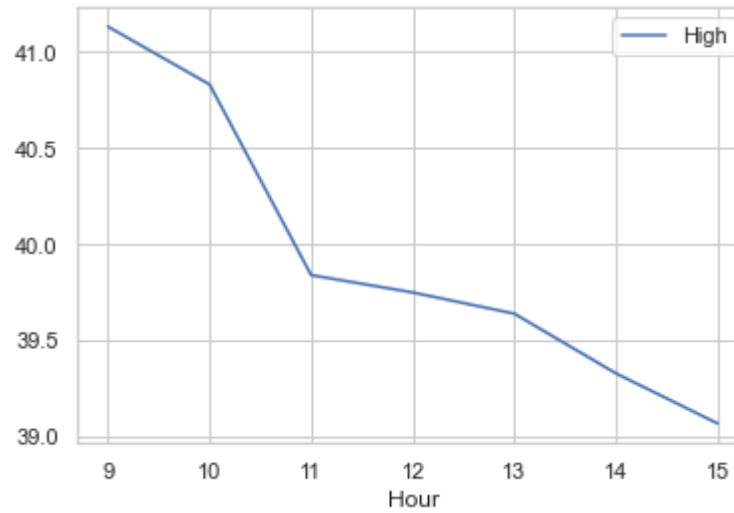
Company: OKTA

AxesSubplot(0.125,0.125;0.775x0.755)



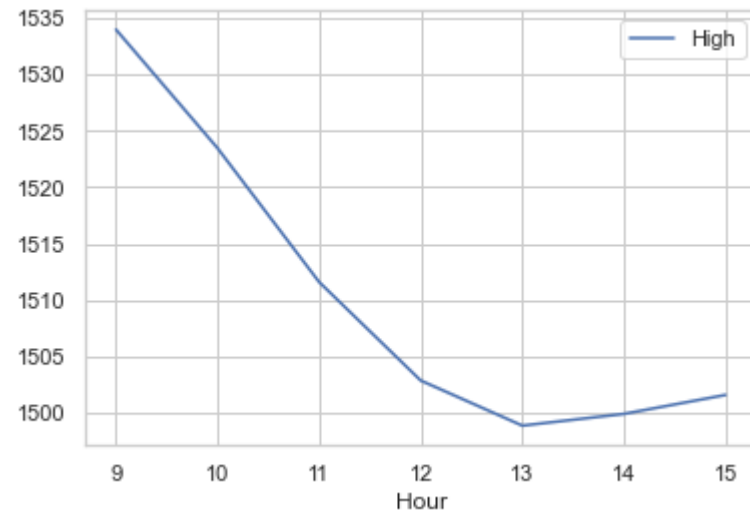
Company: PINS

AxesSubplot(0.125,0.125;0.775x0.755)



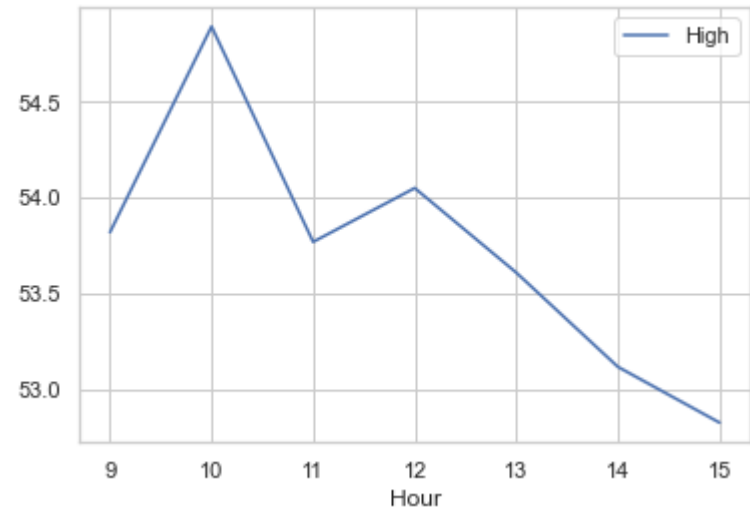
Company: SHOP

AxesSubplot(0.125,0.125;0.775x0.755)



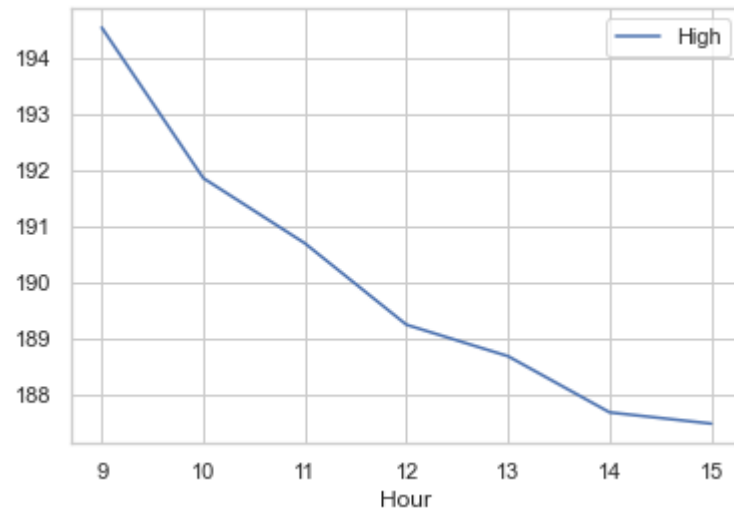
Company: SNAP

AxesSubplot(0.125,0.125;0.775x0.755)



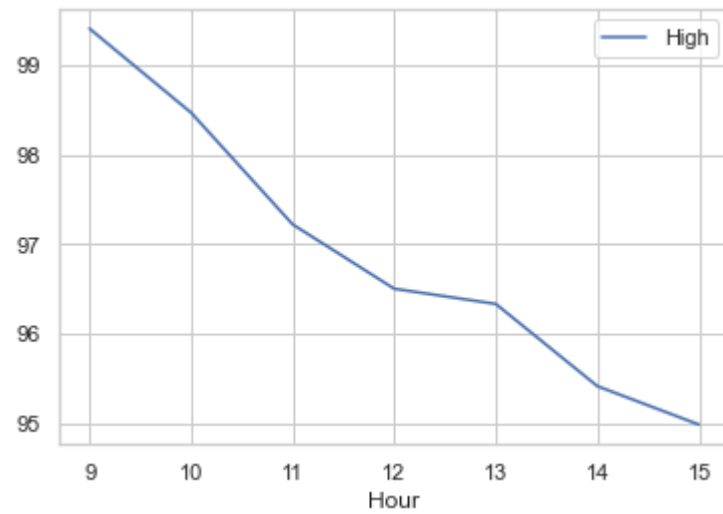
Company: SQ

AxesSubplot(0.125,0.125;0.775x0.755)



Company: TTD

AxesSubplot(0.125,0.125;0.775x0.755)



In []:

In []: