In [1]:

```
import pandas as pd
import seaborn as sns
```

In [2]:

```
df=pd.read_csv("results.csv")
```

In [3]:

```
df.head()
```

Out[3]:

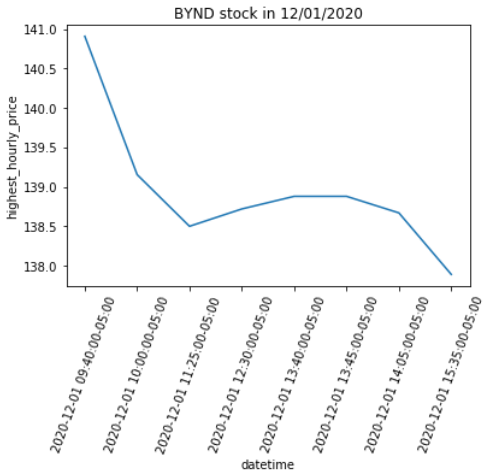
	company	highest_hourly_price	datetime	hour
0	BYND	140.910004	2020-12-01 09:40:00-05:00	10
1	BYND	139.154999	2020-12-01 10:00:00-05:00	11
2	BYND	138.500000	2020-12-01 11:25:00-05:00	12
3	BYND	138.720001	2020-12-01 12:30:00-05:00	13
4	BYND	138.880005	2020-12-01 13:40:00-05:00	14

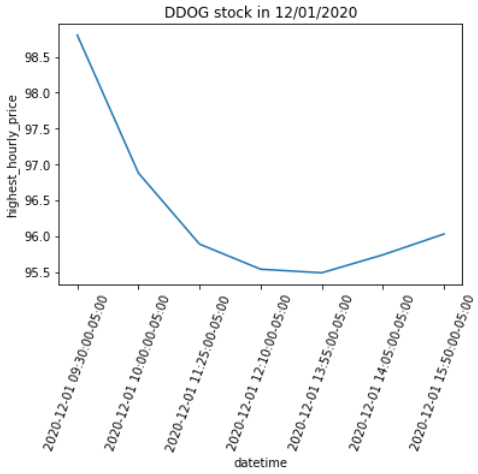
In [91]:

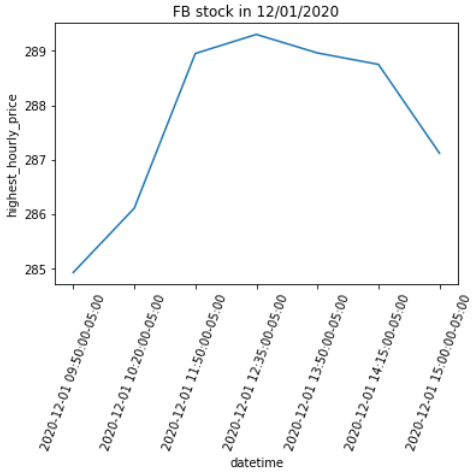
```
df1 = df['company'].unique()
```

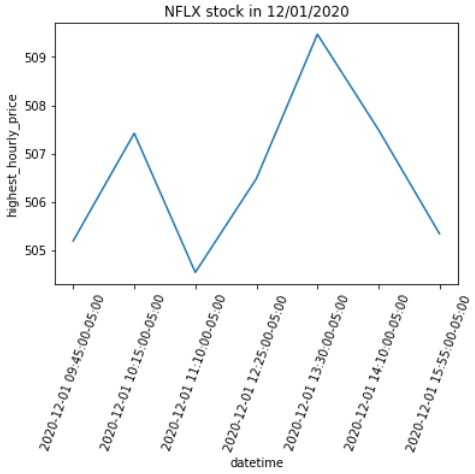
In [94]:

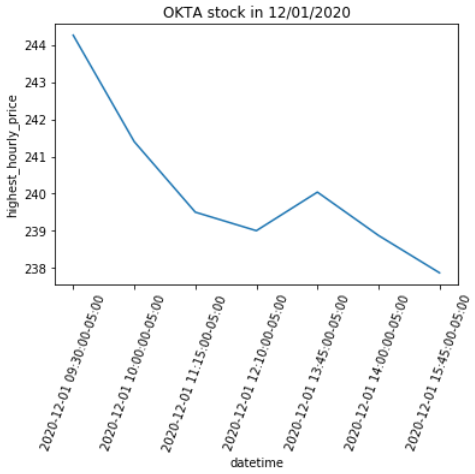
```
import matplotlib.pyplot as plt
for company in df1:
    plot_df = df[df['company'] == company]
    #plt.plot(plot_df.hour, plot_df.highest_hourly_price)
    sns.lineplot(data=plot_df, x="datetime", y="highest_hourly_price")
    plt.xticks(rotation=70)
    plt.title(company + " stock in 12/01/2020")
    plt.show()
```

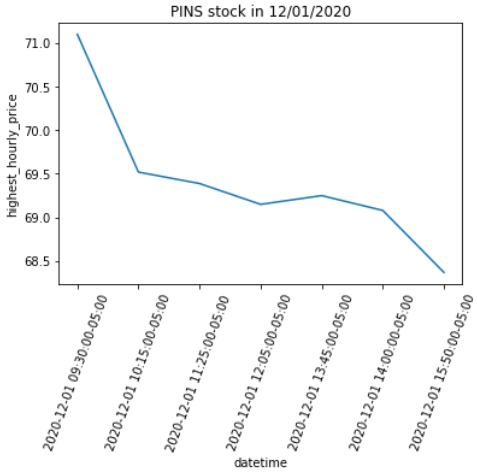

BYND stock in 12/01/2020
highest_hourly_price
141.0
140.5
140.0
139.5
139.0
138.5
138.0
2020-12-01 09:40:00-05:00
2020-12-01 10:00:00-05:00
2020-12-01 11:25:00-05:00
2020-12-01 12:30:00-05:00
2020-12-01 13:40:00-05:00
2020-12-01 13:45:00-05:00
2020-12-01 14:05:00-05:00
2020-12-01 15:35:00-05:00
datetime

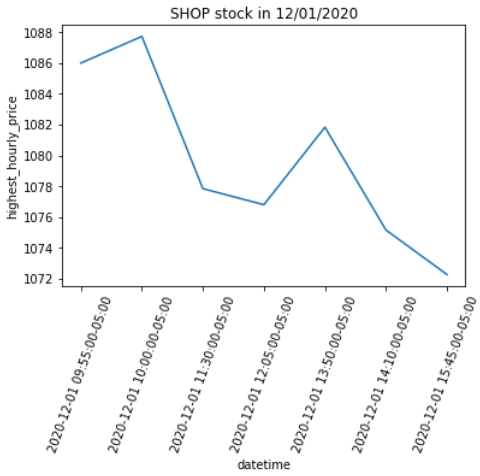

DDOG stock in 12/01/2020
highest_hourly_price
98.5
98.0
97.5
97.0
96.5
96.0
95.5
2020-12-01 09:30:00-05:00
2020-12-01 10:00:00-05:00
2020-12-01 11:25:00-05:00
2020-12-01 12:10:00-05:00
2020-12-01 13:55:00-05:00
2020-12-01 14:05:00-05:00
2020-12-01 15:50:00-05:00
datetime

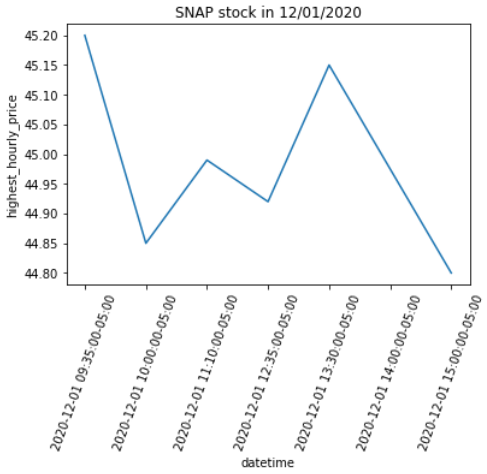

FB stock in 12/01/2020
highest_hourly_price
289
288
287
286
285
2020-12-01 09:50:00-05:00
2020-12-01 10:20:00-05:00
2020-12-01 11:50:00-05:00
2020-12-01 12:35:00-05:00
2020-12-01 13:50:00-05:00
2020-12-01 14:15:00-05:00
2020-12-01 15:00:00-05:00
datetime

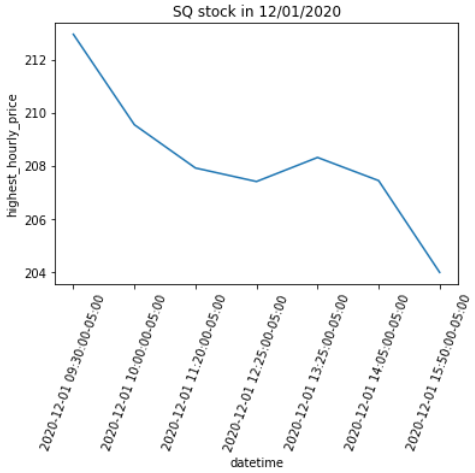

NFLX stock in 12/01/2020
highest_hourly_price
509
508
507
506
505
2020-12-01 09:45:00-05:00
2020-12-01 10:15:00-05:00
2020-12-01 11:10:00-05:00
2020-12-01 12:25:00-05:00
2020-12-01 13:30:00-05:00
2020-12-01 14:10:00-05:00
2020-12-01 15:55:00-05:00
datetime

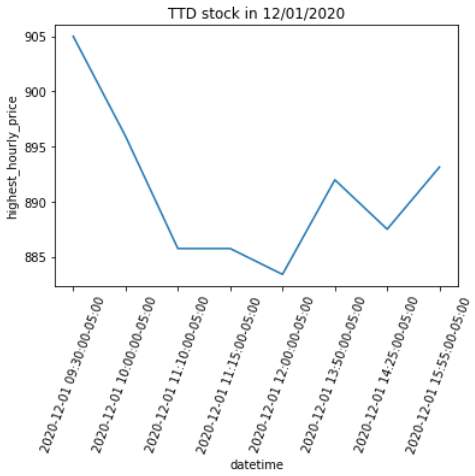

OKTA stock in 12/01/2020
highest_hourly_price
244
243
242
241
240
239
238
2020-12-01 09:30:00-05:00
2020-12-01 10:00:00-05:00
2020-12-01 11:15:00-05:00
2020-12-01 12:10:00-05:00
2020-12-01 13:45:00-05:00
2020-12-01 14:00:00-05:00
2020-12-01 15:45:00-05:00
datetime


PINS stock in 12/01/2020
highest_hourly_price
71.0
70.5
70.0
69.5
69.0
68.5
2020-12-01 09:30:00-05:00
2020-12-01 10:15:00-05:00
2020-12-01 11:25:00-05:00
2020-12-01 12:05:00-05:00
2020-12-01 13:45:00-05:00
2020-12-01 14:00:00-05:00
2020-12-01 15:50:00-05:00
datetime


SHOP stock in 12/01/2020
highest_hourly_price
1088
1086
1084
1082
1080
1078
1076
1074
1072
2020-12-01 09:55:00-05:00
2020-12-01 10:00:00-05:00
2020-12-01 11:30:00-05:00
2020-12-01 12:05:00-05:00
2020-12-01 13:50:00-05:00
2020-12-01 14:10:00-05:00
2020-12-01 15:45:00-05:00
datetime


SNAP stock in 12/01/2020
highest_hourly_price
45.20
45.15
45.10
45.05
45.00
44.95
44.90
44.85
44.80
2020-12-01 09:35:00-05:00
2020-12-01 10:00:00-05:00
2020-12-01 11:10:00-05:00
2020-12-01 12:35:00-05:00
2020-12-01 13:30:00-05:00
2020-12-01 14:00:00-05:00
2020-12-01 15:00:00-05:00
datetime


SQ stock in 12/01/2020
highest_hourly_price
212
210
208
206
204
2020-12-01 09:30:00-05:00
2020-12-01 10:00:00-05:00
2020-12-01 11:20:00-05:00
2020-12-01 12:25:00-05:00
2020-12-01 13:25:00-05:00
2020-12-01 14:05:00-05:00
2020-12-01 15:50:00-05:00
datetime



In [54]:

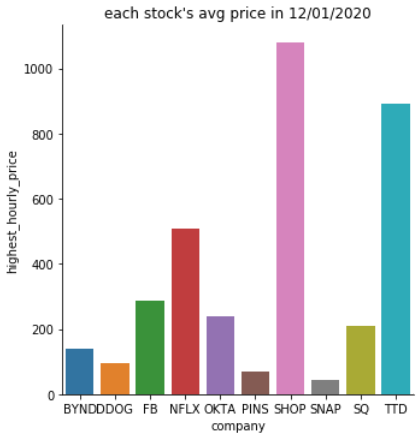
```
df2=df.groupby(['company']).mean().reset_index()
```

In [72]:

```
sns.catplot(x="company", y="highest_hourly_price",kind="bar", data=df2)
plt.title("each stock's avg price in 12/01/2020")
```

Out[72]:

```
Text(0.5, 1, "each stock's avg price in 12/01/2020")
```



In [82]:

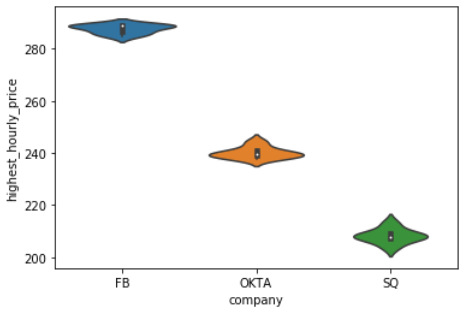
```
df3=df.loc[df['company'].isin(['FB','OKTA','SQ'])]
```

In [83]:

```
sns.violinplot(x="company", y="highest_hourly_price", data=df3)
```

Out[83]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f9f480e5410>
```



In [ ]:

```

```