In [2]:
```
#James Muehlemann
#Finance Query Analysis for 11.30.21
import pandas as pd
import seaborn as sns
```

In [10]:
```
finance_df = pd.read_csv('results.csv')
finance_df.head(5)
```

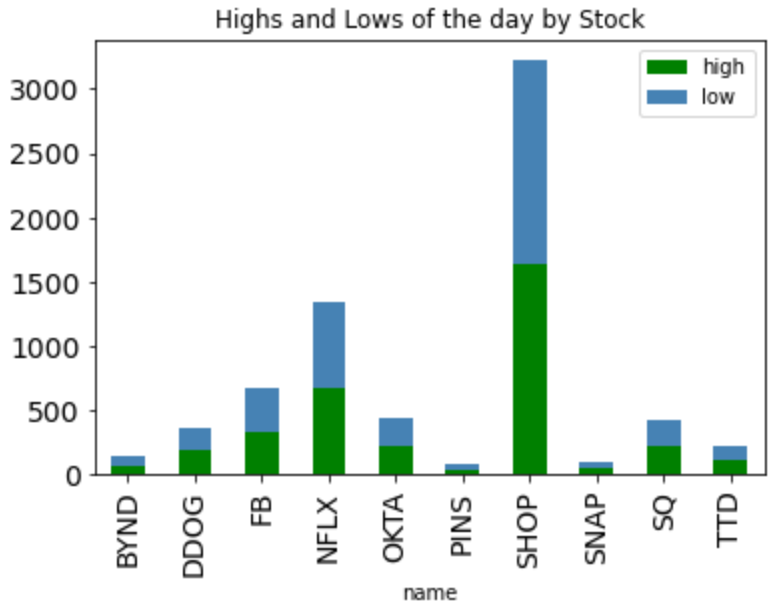
Out[10]:

	name	hour	high	low	ts
0	BYND	9	74.543999	72.620300	2021-11-30 09:35:00-05:00
1	BYND	10	73.279999	70.180000	2021-11-30 10:00:00-05:00
2	BYND	11	71.040001	70.070000	2021-11-30 11:20:00-05:00
3	BYND	12	71.019997	69.519997	2021-11-30 12:30:00-05:00
4	BYND	13	71.239998	70.000000	2021-11-30 13:55:00-05:00

The below graph intends to show the highs and lows of each stock on November 30th

In [4]:
```
df_high_low = finance_df.drop('hour',1)
df_uniqua = df_high_low.drop_duplicates(subset = ['name'])
df_uniqua.set_index('name').plot( kind = 'bar',stacked = True,
               title = 'Highs and Lows of the day by Stock', fontsize = 14,y
                color = ['green', 'steelblue'])
```

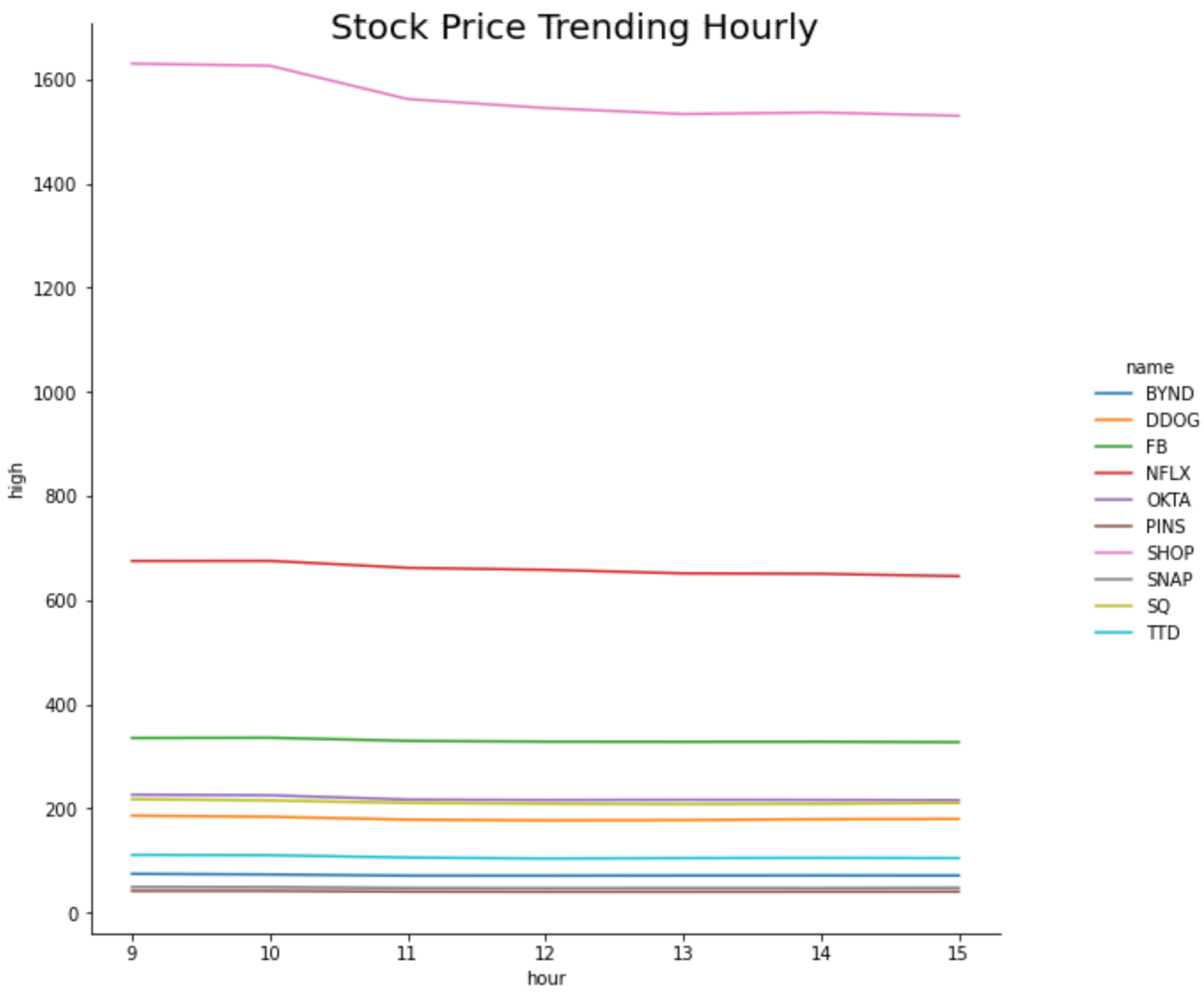
Out[4]:
```
<AxesSubplot:title={'center':'Highs and Lows of the day by Stock'}, xlabel='name'>
```



The below graph intends to show the activity of each stock based on its high throughout the day of November 30th

In [11]:
```
ax = sns.relplot(x='hour', y = 'high', data = finance_df, kind = 'line', hue = 'name')
ax.fig.set_size_inches(10,8)
ax.fig.suptitle('Stock Price Trending Hourly', fontsize = 20)
```

Out[11]:
```
Text(0.5, 0.98, 'Stock Price Trending Hourly')
```


Stock Price Trending Hourly
high
hour
0
200
400
600
800
1000
1200
1400
1600
9
10
11
12
13
14
15
name
BYND
DDOG
FB
NFLX
OKTA
PINS
SHOP
SNAP
SQ
TTD