In [15]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
```

In [17]:
```
ticker = pd.read_csv('results.csv')
ticker
```

Out[17]:

	Ticker_Name	Hour	Datetime	Max_High
0	BYND	9	2021-11-30 09:35:00-05:00	74.543999
1	BYND	10	2021-11-30 10:00:00-05:00	73.279999
2	BYND	11	2021-11-30 11:20:00-05:00	71.040001
3	BYND	12	2021-11-30 12:30:00-05:00	71.019997
4	BYND	13	2021-11-30 13:55:00-05:00	71.239998
...	...	...	...	...
65	TTD	11	2021-11-30 11:00:00-05:00	105.830002
66	TTD	12	2021-11-30 12:00:00-05:00	103.849899
67	TTD	13	2021-11-30 13:55:00-05:00	104.695000
68	TTD	14	2021-11-30 14:00:00-05:00	105.120003
69	TTD	15	2021-11-30 15:40:00-05:00	104.680000

70 rows × 4 columns

In [62]:
```
highest= ticker.groupby('Ticker_Name').max()['Max_High'].to_frame()
```

In [63]:
```
highest
```

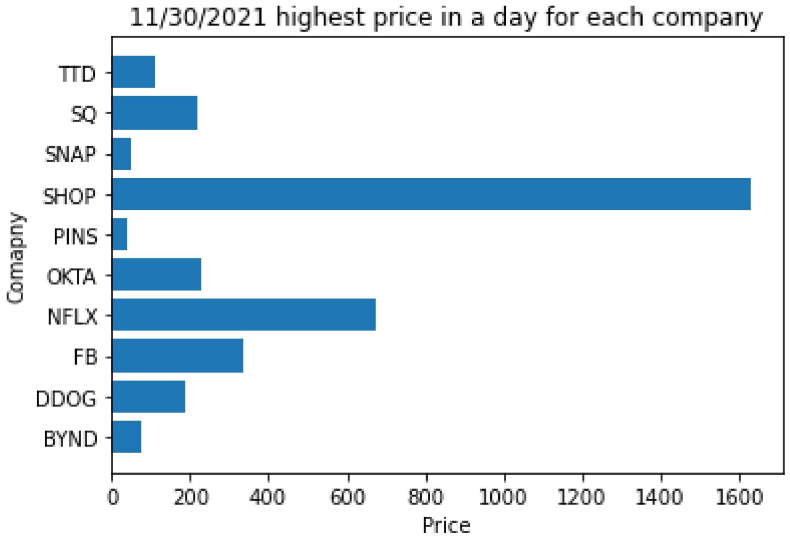
Out[63]:

	Max_High
Ticker_Name	
BYND	74.543999
DDOG	186.289993

Ticker_Name	Max_High
FB	335.809998
NFLX	675.380005
OKTA	226.460007
PINS	41.709999
SHOP	1629.937988
SNAP	49.400002
SQ	217.750000
TTD	110.866501

Graph which company has the highest price? and what others's highest price in a day.

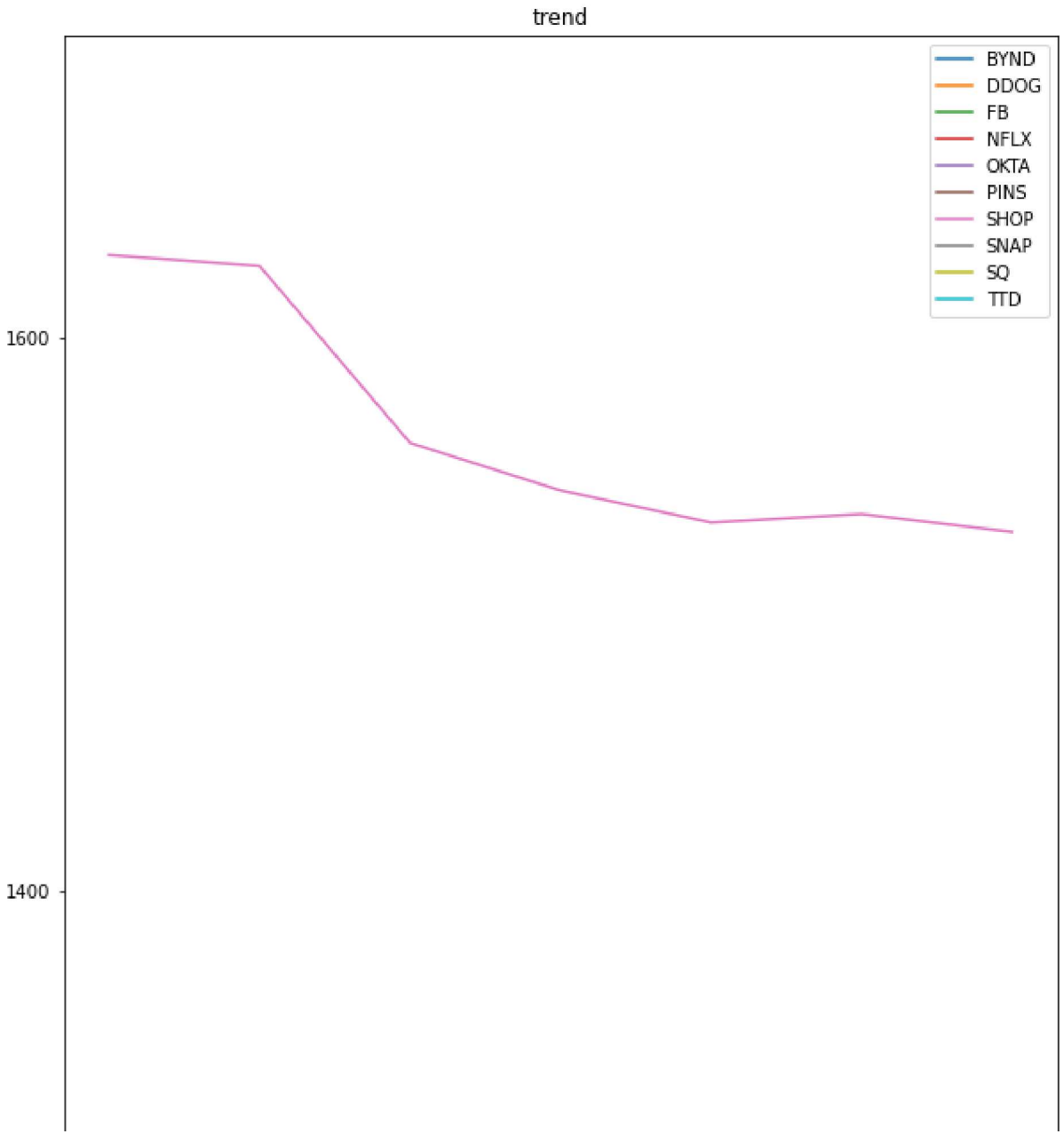
In [79]:
```
plt.barh(highest.index,highest.Max_High)
plt.title("11/30/2021 highest price in a day for each company")
plt.xlabel("Price")
plt.ylabel("Comapny")
plt.show()
```

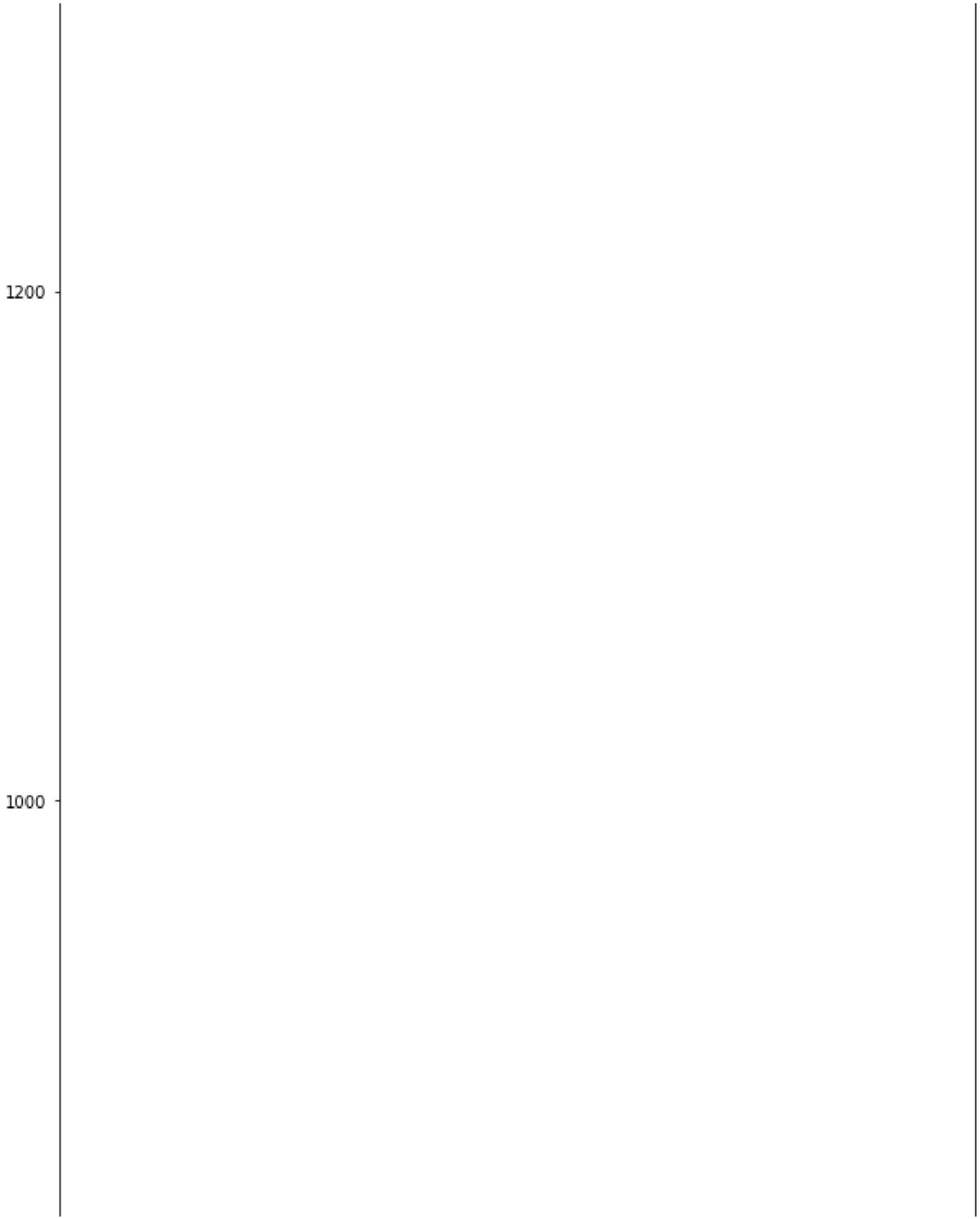


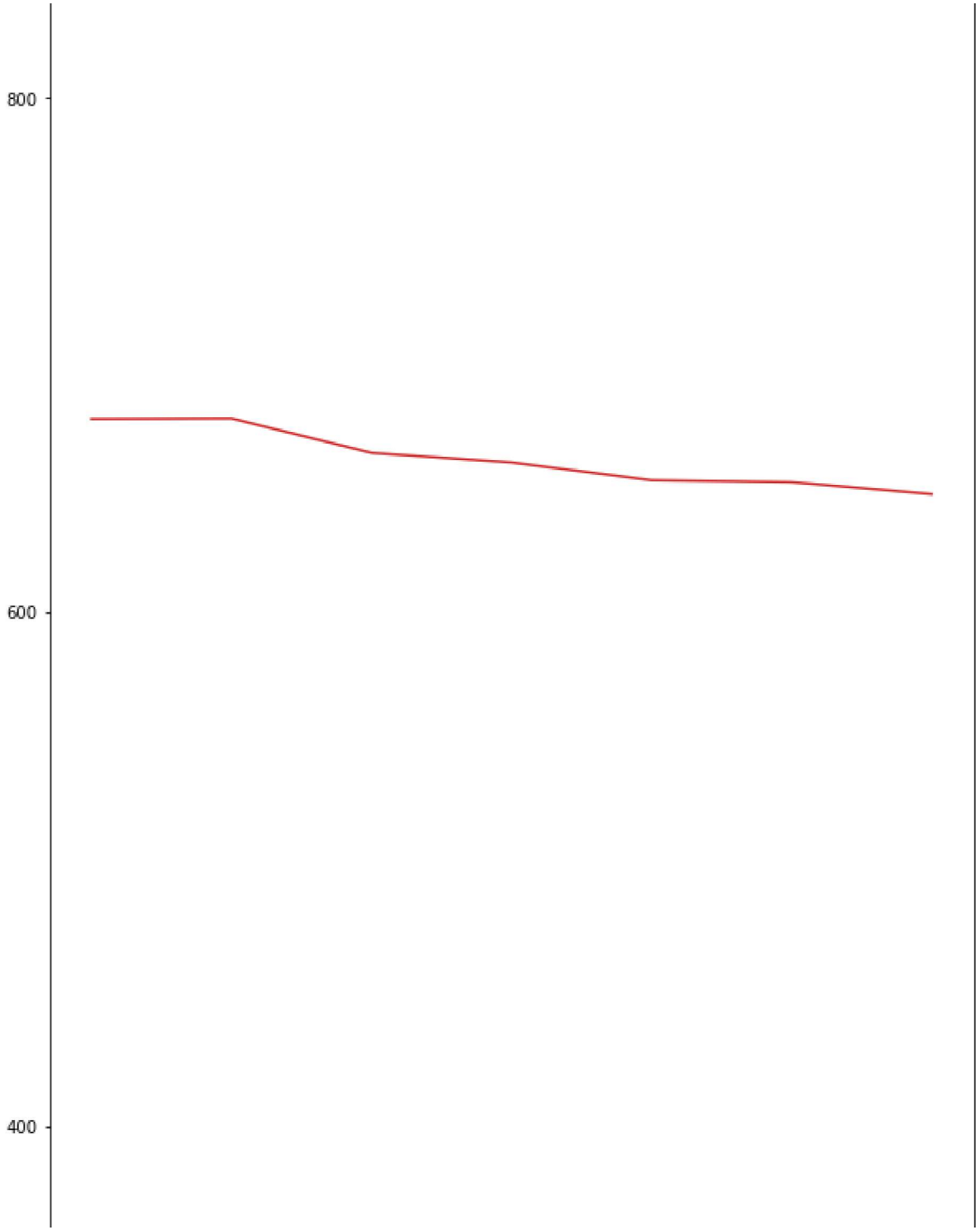
10 companys 11/30/2021 stock price change trend

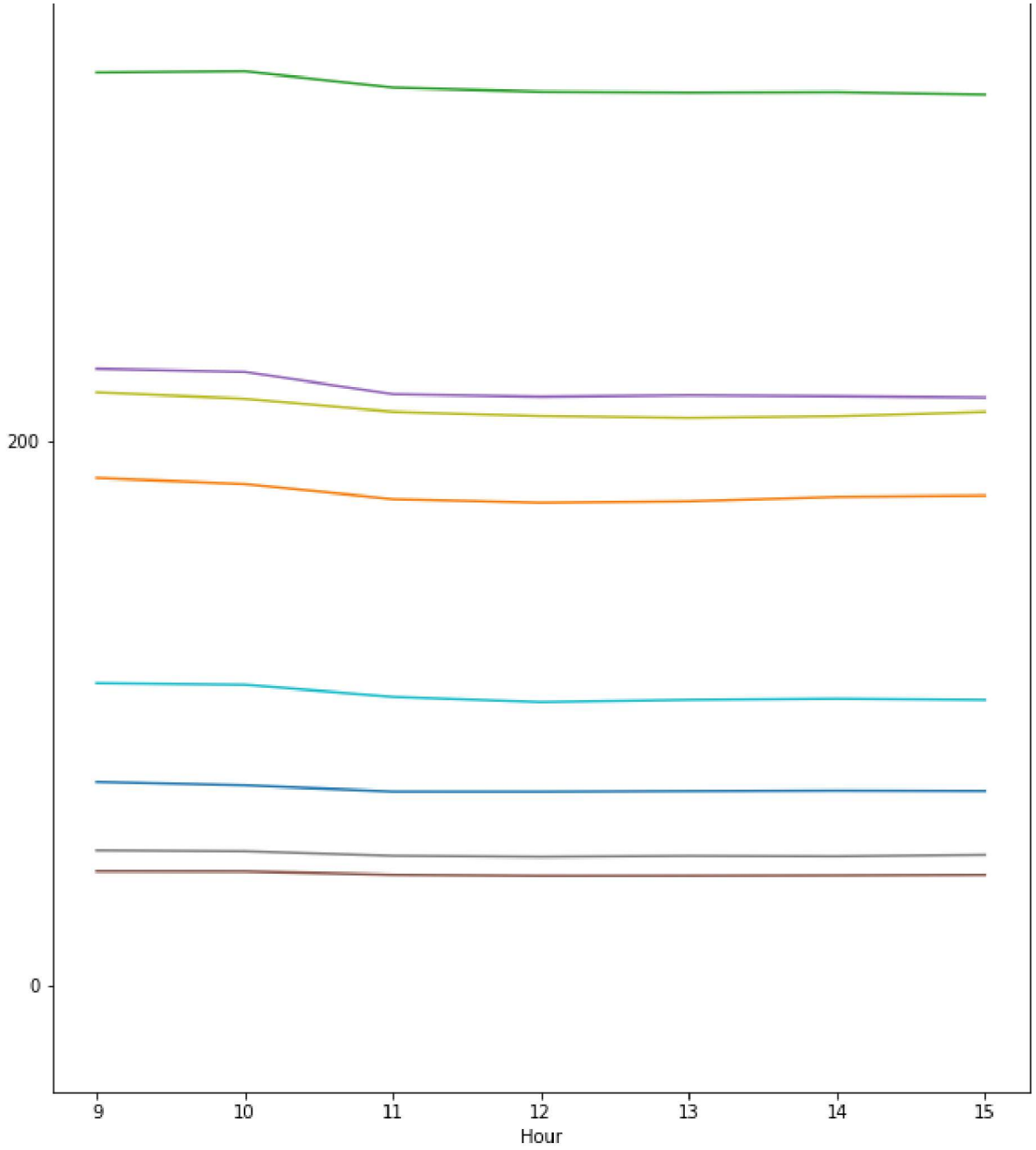
In [106…

```
fig, ax = plt.subplots()
for Ticker_Name, gp in ticker.groupby("Ticker_Name"):
    gp.plot(x="Hour", y="Max_High", ax=ax, label=Ticker_Name,figsize=(10,50),title="trend")
```




1200
1000


800
600
400



In [ ]: