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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]:
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	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()
```

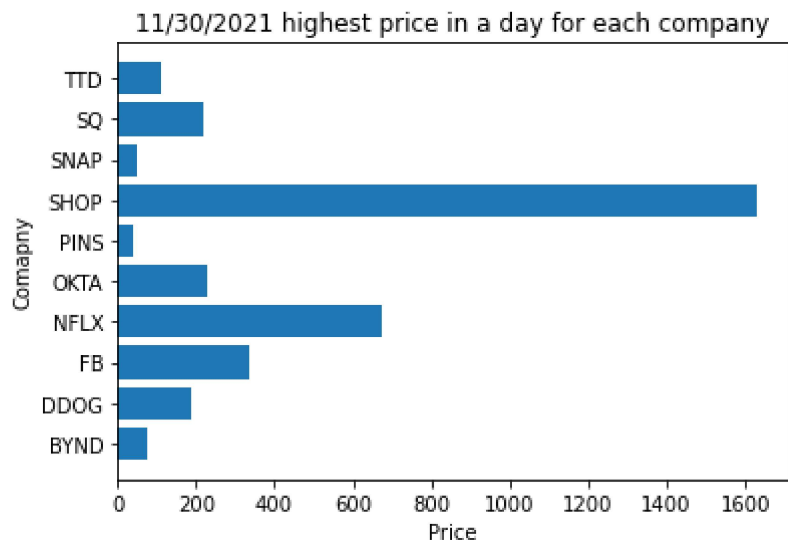
```
In [63]: highest
```

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Out[63]:
```

	Max_High
<b>Ticker_Name</b>	
BYND	74.543999
DDOG	186.289993
FB	335.809998
NFLX	675.380005
OKTA	226.460007
PINS	41.709999
SHOP	1629.937988
SNAP	49.400002
SQ	217.750000
TTD	110.866501

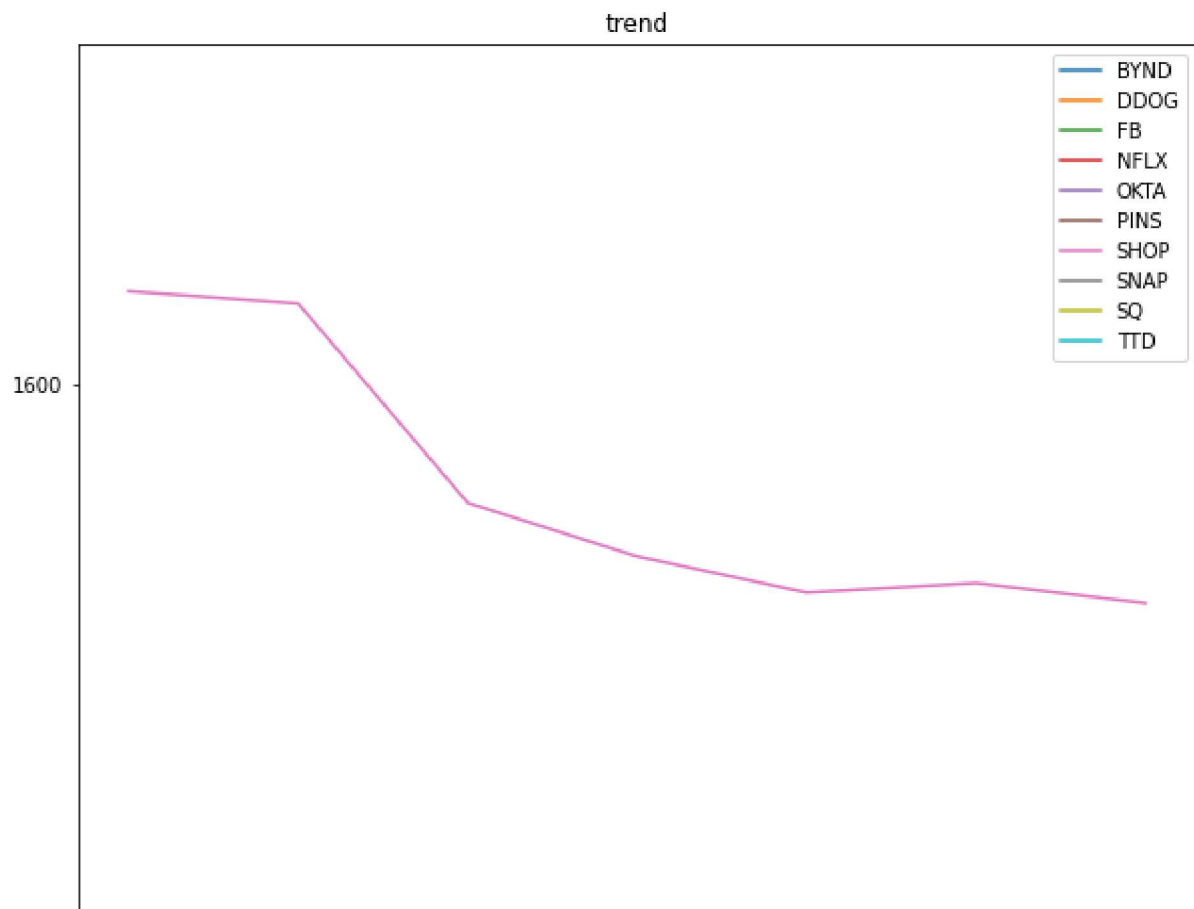
Graph which company has the highest price? and what others's highest price in a day.

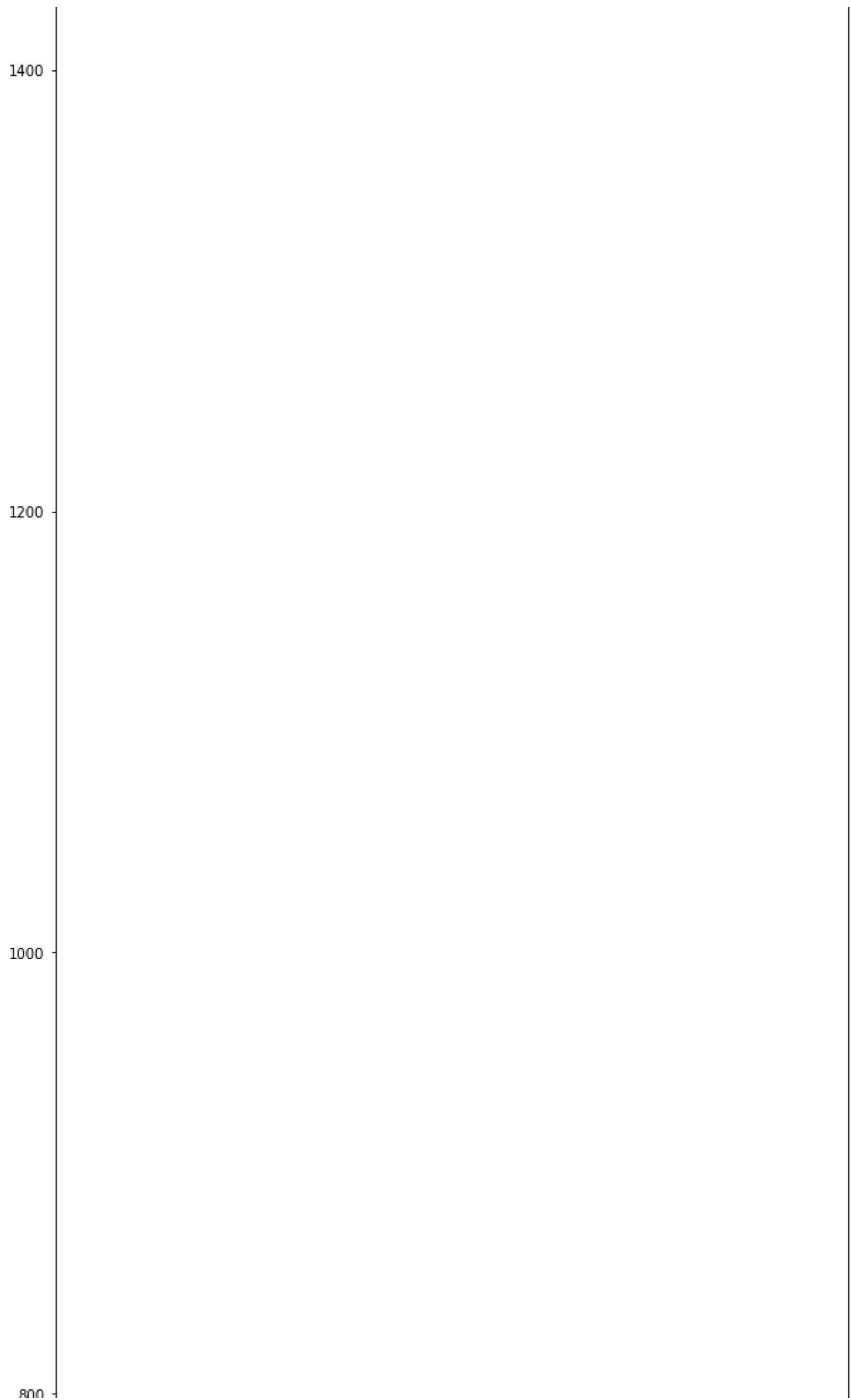
```
In [79]: plt.barh(highest.index, highest.Max_High)
plt.title("11/30/2021 highest price in a day for each company")
plt.xlabel("Price")
plt.ylabel("Comapny")
plt.show()
```

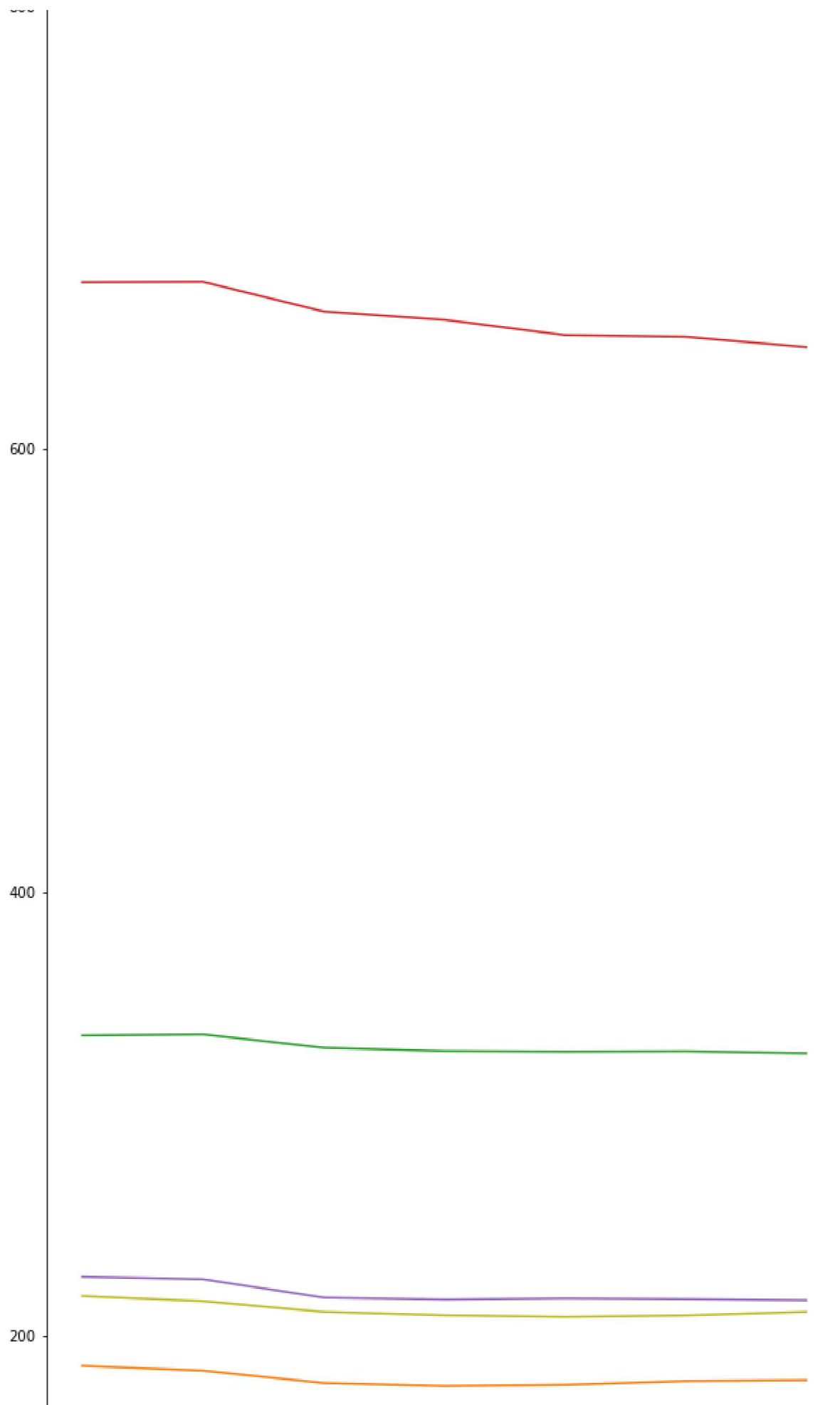


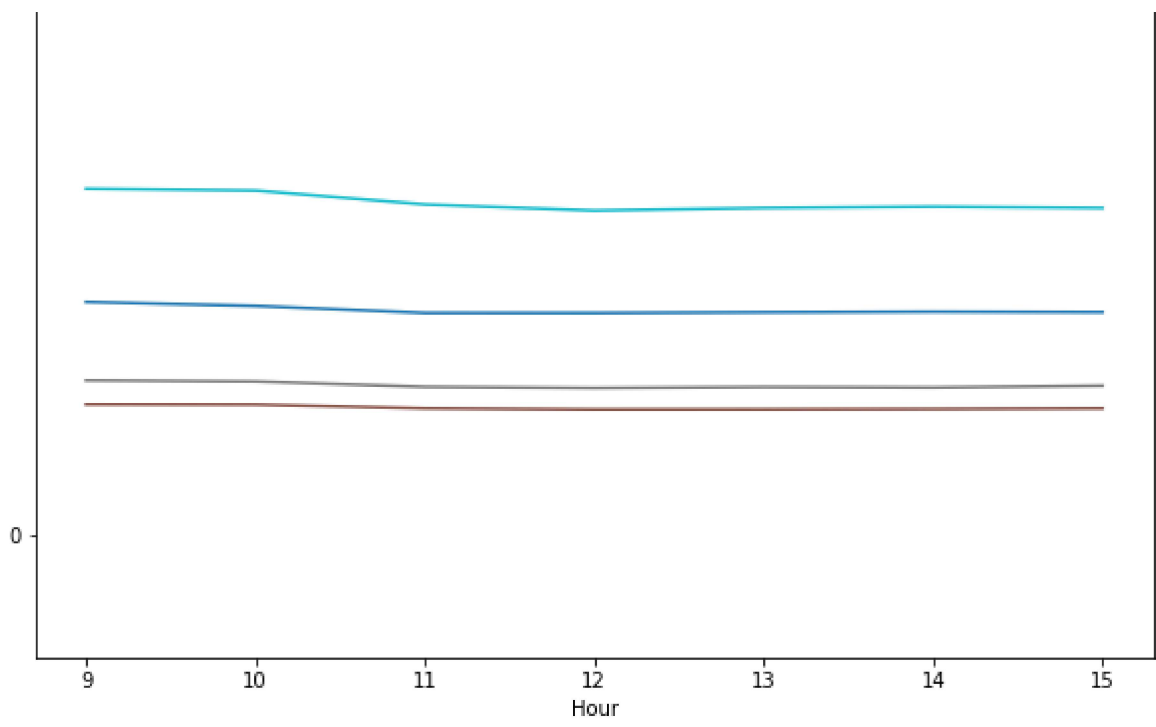
## 10 companys 11/30/2021 stock price change trend

```
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="tre
```









In [ ]: