In [12]:
```python
# importing all required libraries
import pandas as pd
import seaborn as sns
import matplotlib.pylab as plt
import numpy as np
```

In [13]:
```python
## Read your csv file
df = pd.read_csv("results.csv")
df.head()
```

Out[13]:

| | name | Hour | HIGH | Date/Time |
|---|---|---|---|---|
| **0** | BYND | 9 | 37.804901 | 2022-05-02 09:55:00-04:00\nName: 5, dtype:... |
| **1** | BYND | 10 | 37.990002 | 2022-05-02 10:55:00-04:00\nName: 17, dtype... |
| **2** | BYND | 11 | 37.590000 | 2022-05-02 11:55:00-04:00\nName: 29, dtype... |
| **3** | BYND | 12 | 37.330002 | 2022-05-02 12:55:00-04:00\nName: 41, dtype... |
| **4** | BYND | 13 | 36.570000 | 2022-05-02 13:55:00-04:00\nName: 53, dtype... |

```
In [23]: # plotting  hourly high for each stock
         sns.set(rc={'figure.figsize':(7,5.27)})
         stocks = df['name'].unique()
         sns.set_style("whitegrid")
         sns.set_palette("Set3")
         for s in stocks:
             graph_df = df[df['name']==s]
             sns.lineplot(x='Hour', y='HIGH', data=graph_df)
             title=s+" Hourly High"
             plt.title(title)
             plt.ylabel("Hourly high")
             plt.show()
```
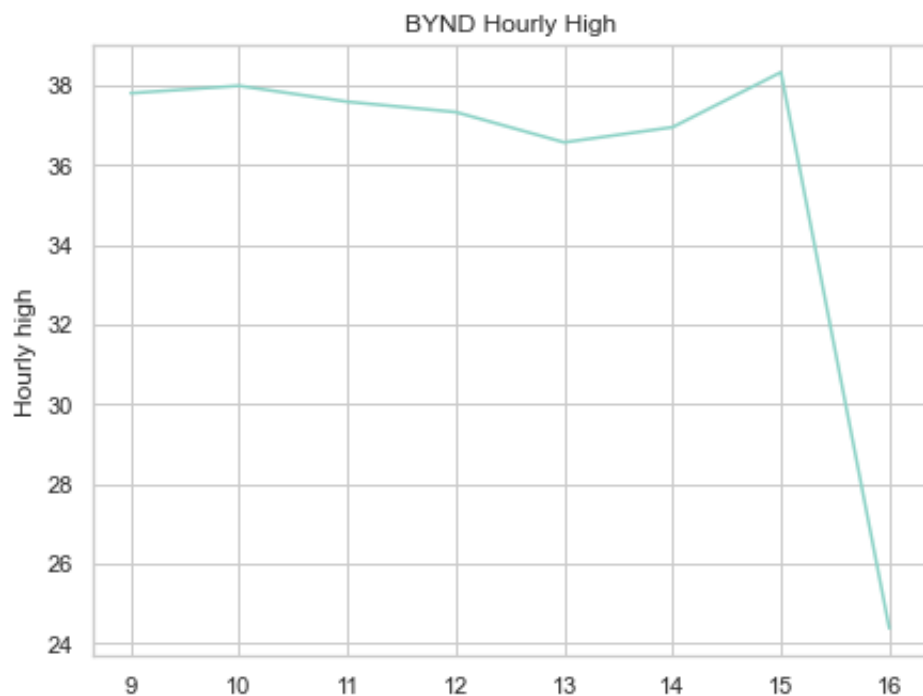


The bar chart below shows the highest stock price during the first tradinghour of the day by company.

In [15]:
```python
sns.set(style="whitegrid")

hour_df9 = df[(df['Hour'] == 9)]

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

bar_company = sns.barplot(x="name", y="HIGH", data=hour_df9)

bar_company.set(xlabel='Company', ylabel='Highest Price at 9AM')

plt.show()
```
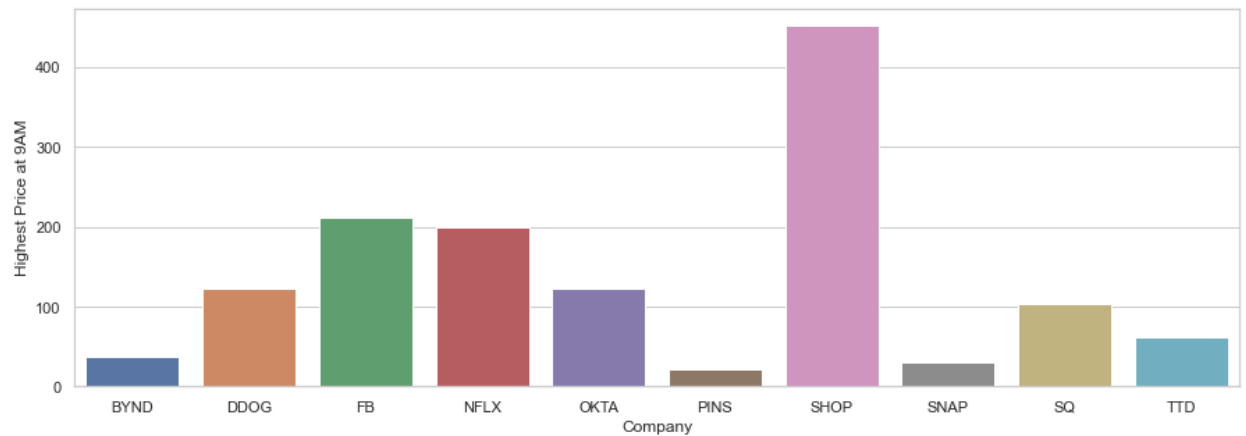


The following line chart compares the hourly highest price between the two stocks, NFLX and FB.
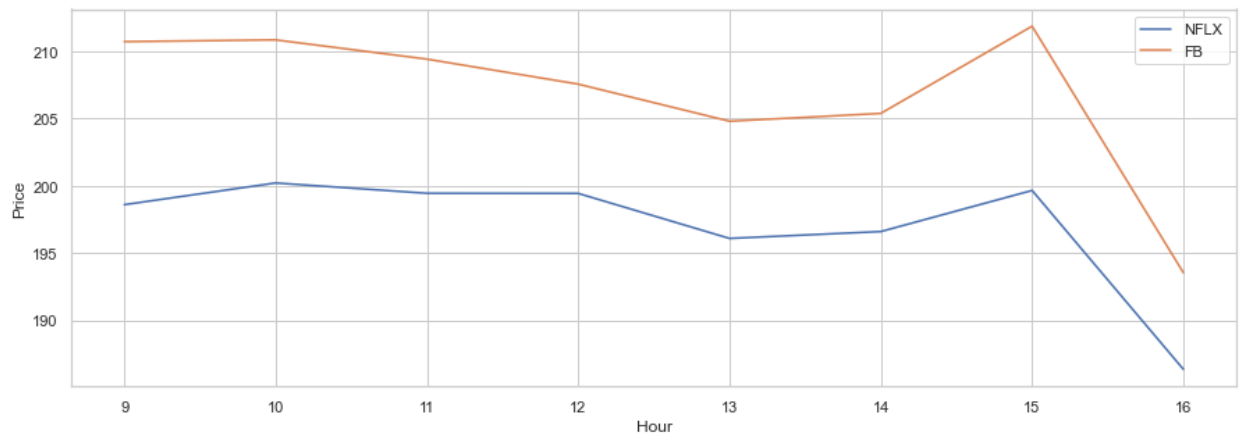
In [16]:
```python
nflx_df = df[(df['name'] == "NFLX")]
fb_df = df[(df['name'] == "FB")]

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

line_company = sns.lineplot(x="Hour", y="HIGH", data=nflx_df, label='N
line_company = sns.lineplot(x="Hour", y="HIGH", data=fb_df, label='FB'


line_company.set(xlabel='Hour', ylabel='Price')

plt.show()
```
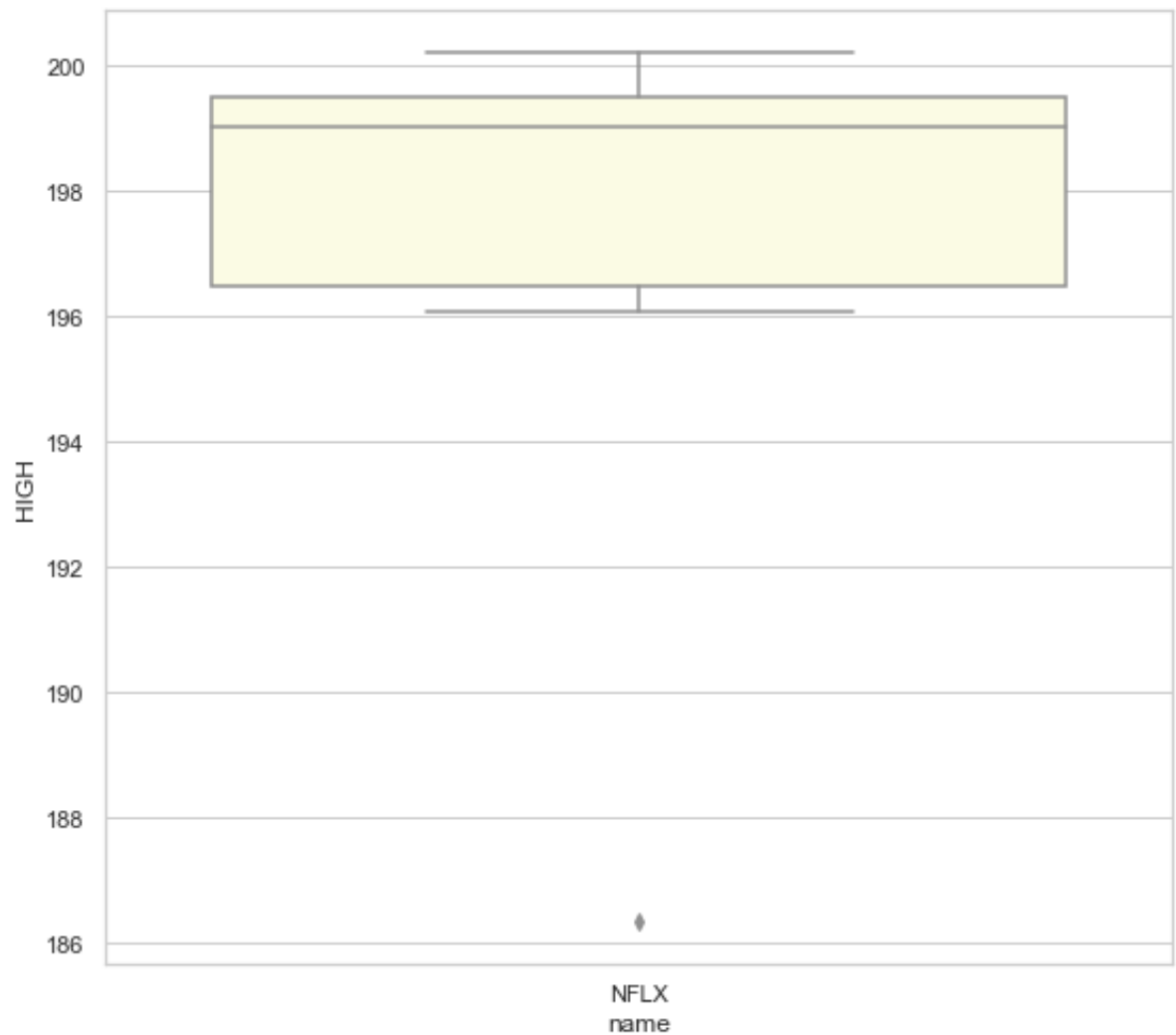


Through box plots we will show, highest, lowest and average hourly stock price throughout the day.

```
In [19]:  sns.set(style="whitegrid", palette="muted", color_codes=True)

          nflx_df = df[(df['name'] == "NFLX")]
          box_company = sns.boxplot(x="name", y="HIGH", data=nflx_df, color = "l
```

In [20]:
```python
sns.set(style="whitegrid", palette="muted", color_codes=True)

nflx_df = df[(df['name'] == "FB")]
box_company = sns.boxplot(x="name", y="HIGH", data=fb_df, color = "aqu
```