In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
from sklearn.metrics import mean_squared_error, mean_absolute_error
import numpy as np
```

In [2]:
```
df = pd.read_csv(r'C:\Users\HP\OneDrive\Desktop\NLP\Data\ML471_S4_Datafile_Pract

df['Date'] = pd.to_datetime(df['Date'])
df.set_index('Date', inplace=True)

series = df['Close']

train_size = int(len(series) * 0.8)
test = series[train_size:]

seasonal_period = 12

forecast = []

for i in range(len(test)):
    forecast.append(series.iloc[train_size - seasonal_period + i])

forecast = pd.Series(forecast, index=test.index)
```

In [4]:
```
plt.figure(figsize=(12, 6))
plt.plot(test.index, test, label='Actual', color='blue')
plt.plot(forecast.index, forecast, label='Forecast', color='orange')
plt.title('Seasonal Naive Forecast vs Actual')
plt.xlabel('Date')
plt.ylabel('Close Price')
plt.legend()
plt.show()
```