

In [6]:

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#!pip install requests matplotlib pandas
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In []:

In [5]:

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import requests
import pandas as pd
import matplotlib.pyplot as plt

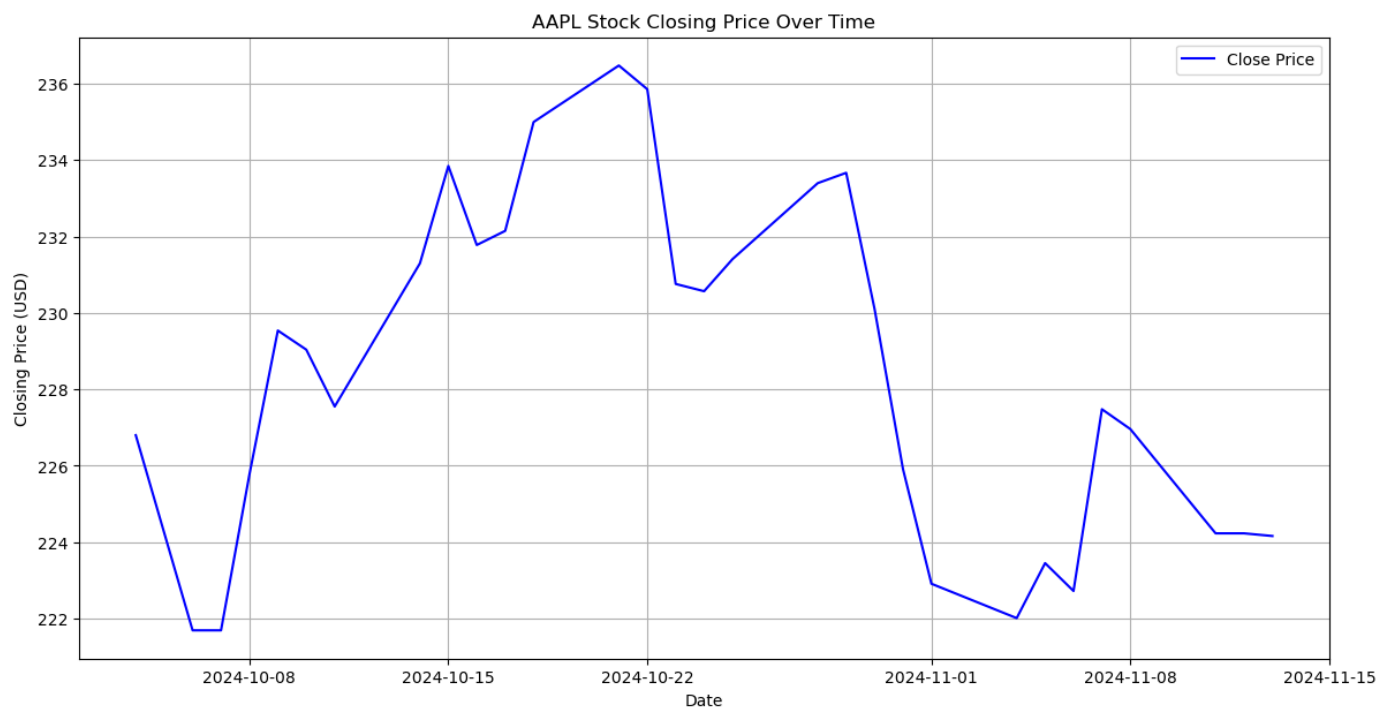
api_key = "047be7189d194cddb973a212e6e89f0c"
symbol = "AAPL"
interval = "1day"
url = f"https://api.twelvedata.com/time_series?symbol={symbol}&interval={interval}&apikey={api_key}"

response = requests.get(url)
data = response.json()

if "values" not in data:
    print("Error: API response does not contain 'values' data.")
    print("Response received:", data)
else:
    time_series = data["values"]
    df = pd.DataFrame(time_series)

    df['datetime'] = pd.to_datetime(df['datetime'])
    df['close'] = df['close'].astype(float)
    df = df.sort_values(by="datetime")

    plt.figure(figsize=(14, 7))
    plt.plot(df['datetime'], df['close'], label="Close Price", color='b')
    plt.title(f"{symbol} Stock Closing Price Over Time")
    plt.xlabel("Date")
    plt.ylabel("Closing Price (USD)")
    plt.legend()
    plt.grid()
    plt.show()
```



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