Scenario 5

In [ ]:
```
import datetime

import numpy as np
import pandas_datareader as pdr
import datetime
import matplotlib.pyplot as plt
```

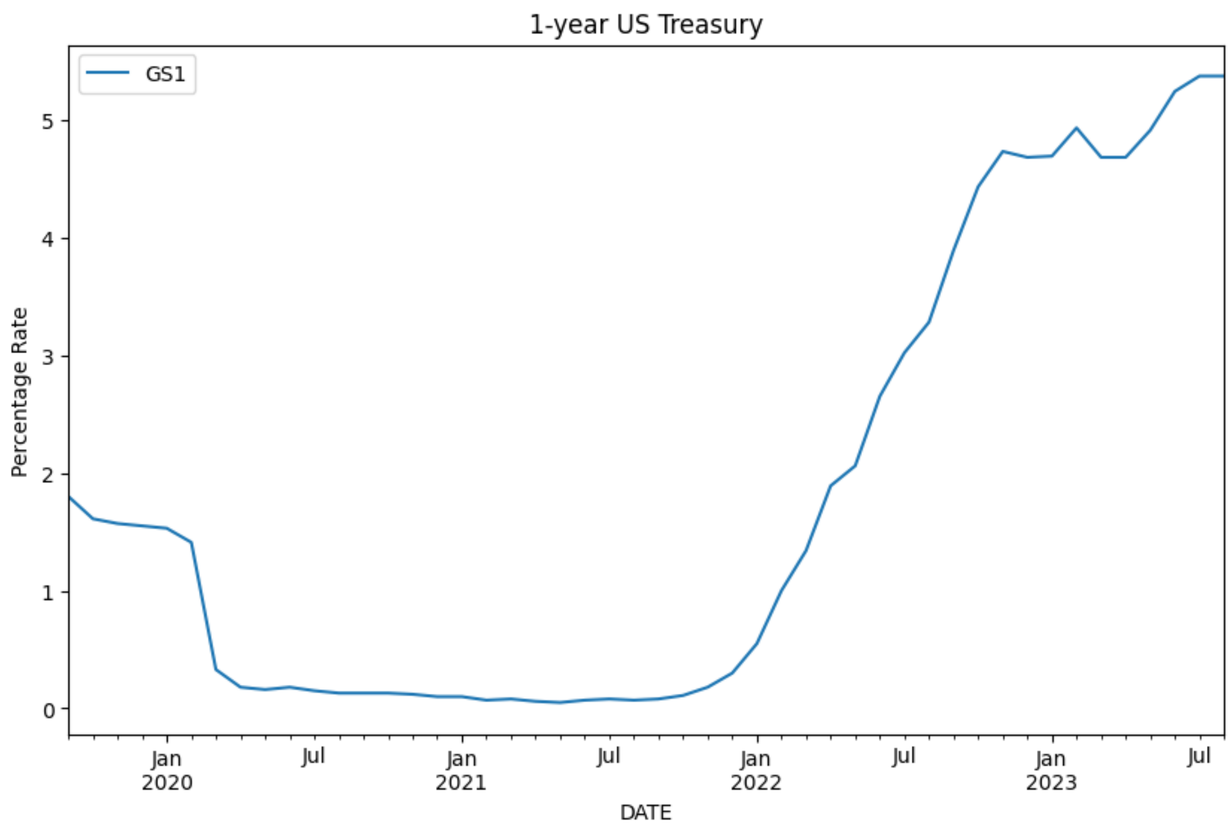
```
/Users/45219477/Library/Python/3.9/lib/python/site-packages/urllib3/__init__.py:34: NotOpenSSLWarning: urllib3 v2.0 only supports OpenSSL 1.1.1+, currently the 'ssl' module is compiled with
'LibreSSL 2.8.3'. See: https://github.com/urllib3/urllib3/issues/3020
  warnings.warn(
```

In [ ]:
```
import pandas_datareader as pdr
import datetime

# Set the start and end date for the data retrieval
start_date = datetime.datetime(2019, 9, 1)  # Start date
end_date = datetime.datetime(2023, 9, 1)    # End date

# Ticker symbols for 1-year Treasury constant maturity rate
# Replace with other FRED indicators if needed
tickers = ['GS1']

# Fetch the data for the specified tickers using pandas_datareader
data = pdr.get_data_fred(tickers, start_date, end_date)

print(data.head())
```

```
            GS1
DATE
2019-09-01  1.80
2019-10-01  1.61
2019-11-01  1.57
2019-12-01  1.55
2020-01-01  1.53
```

In [ ]:
```
fig, ax = plt.subplots(figsize=(10, 6))
data.plot(ax=ax)
plt.ylabel('Percentage Rate')
plt.title('1-year US Treasury')
```

Out[ ]:
```
Text(0.5, 1.0, '1-year US Treasury')
```



Scenario 6

In [ ]:
```
import datetime

import numpy as np
import pandas_datareader.data as web
import yfinance as yfin

yfin.pdr_override()
```

In [ ]:
```
start = datetime.date(2021, 1, 16)
end = datetime.date(2021, 11, 19)
df = web.DataReader(["NFTY"], start, end)["Adj Close"]
```

```
[**********100%%**********]  1 of 1 completed
```

In [ ]:
```
fig, ax = plt.subplots(figsize=(10, 6))
df.plot(ax=ax)
plt.ylabel('Price in USD')
plt.title('First Trust India Nifty 50 Equal Weight ETF')
```

Out[ ]:
```
Text(0.5, 1.0, 'First Trust India Nifty 50 Equal Weight ETF')
```