In [ ]:
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!pip install pandas requests yfinance
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import pandas as pd
import yfinance as yf
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# Initialize an empty DataFrame for the portfolio
portfolio = pd.DataFrame(columns=['Ticker', 'Shares', 'Purchase Price'])

def add_stock(ticker, shares, purchase_price):
    global portfolio
    portfolio = portfolio.append({'Ticker': ticker, 'Shares': shares, 'Purchase Price': purchase_price}, ignore

def remove_stock(ticker):
    global portfolio
    portfolio = portfolio[portfolio['Ticker'] != ticker]

def get_portfolio_value():
    global portfolio
    portfolio_value = 0
    for index, row in portfolio.iterrows():
        stock = yf.Ticker(row['Ticker'])
        current_price = stock.history(period='1d')['Close'][0]
        stock_value = current_price * row['Shares']
        portfolio_value += stock_value
    return portfolio_value

def track_portfolio_performance():
    global portfolio
    performance = []
    for index, row in portfolio.iterrows():
        stock = yf.Ticker(row['Ticker'])
        current_price = stock.history(period='1d')['Close'][0]
        change = ((current_price - row['Purchase Price']) / row['Purchase Price']) * 100
        performance.append({'Ticker': row['Ticker'], 'Current Price': current_price, 'Change (%)': change})
    return pd.DataFrame(performance)

# Example usage
add_stock('AAPL', 10, 150.0)
add_stock('MSFT', 5, 250.0)
print("Portfolio:")
print(portfolio)

print("\nPortfolio Value: ${:.2f}".format(get_portfolio_value()))

print("\nPortfolio Performance:")
print(track_portfolio_performance())
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