**Stock Portfolio Tracker**

Create a stock portfolio tracking tool that allows users to add, remove, and track the performance of their stock investments. Utilize financial APIs for real-time stock data.

Program:

import yfinance as yf

class StockPortfolio:

def \_init\_(self):

self.portfolio = {}

def add\_stock(self, ticker, shares):

ticker = ticker.upper()

self.portfolio[ticker] = self.portfolio.get(ticker, 0) + shares

print(f"Added {shares} shares of {ticker}.")

def remove\_stock(self, ticker, shares):

ticker = ticker.upper()

if ticker in self.portfolio:

if shares >= self.portfolio[ticker]:

del self.portfolio[ticker]

print(f"Removed all shares of {ticker}.")

else:

self.portfolio[ticker] -= shares

print(f"Removed {shares} shares of {ticker}.")

else:

print(f"{ticker} not found in portfolio.")

def get\_portfolio\_value(self):

total\_value = 0

print("\nCurrent Portfolio Value:")

print("-" \* 40)

for ticker, shares in self.portfolio.items():

stock = yf.Ticker(ticker)

current\_price = stock.history(period="1d")["Close"].iloc[-1]

value = shares \* current\_price

total\_value += value

print(f"{ticker}: {shares} shares @ ${current\_price:.2f} = ${value:.2f}")

print("-" \* 40)

print(f"Total Portfolio Value: ${total\_value:.2f}")

return total\_value

def main():

tracker = StockPortfolio()

while True:

print("\nOptions: add, remove, view, quit")

command = input("Enter command: ").lower()

if command == "add":

ticker = input("Enter stock ticker: ")

shares = int(input("Enter number of shares: "))

tracker.add\_stock(ticker, shares)

elif command == "remove":

ticker = input("Enter stock ticker: ")

shares = int(input("Enter number of shares to remove: "))

tracker.remove\_stock(ticker, shares)

elif command == "view":

tracker.get\_portfolio\_value()

elif command == "quit":

print("Exiting portfolio tracker.")

break

else:

print("Invalid command.")

if \_name\_ == "\_main\_":

main()