

## Project Files ▾

C:\Users\Admin\PycharmProjects\desktop\pythonP

&gt; .idea

&gt; .venv

&lt;&gt; css.html

hangman.py

&lt;&gt; internal.html

main.py

&lt;&gt; sample.html

stock\_portfolio.py

Scratches

main.py

stock\_portfolio.py ×

hangman.py

&lt;&gt; sample.html

&lt;&gt; css.html

⋮

```
1 import yfinance as yf
2
3 class StockPortfolio:
4     def __init__(self):
5         self.portfolio = {}
6
7     def add_stock(self, ticker, quantity, purchase_price):
8         if ticker in self.portfolio:
9             self.portfolio[ticker]['quantity'] += quantity
10            self.portfolio[ticker]['purchase_price'] = purchase_price
11        else:
12            self.portfolio[ticker] = {
13                'quantity': quantity,
14                'purchase_price': purchase_price
15            }
16
17    def remove_stock(self, ticker):
18        if ticker in self.portfolio:
19            del self.portfolio[ticker]
20            print(f"{ticker} removed from your portfolio.")
21        else:
22            print(f"{ticker} is not in your portfolio.")
23
```

## Project Files ▾

C:\Users\Admin\PycharmProjects\desktop\pythonP

&gt; .idea

&gt; .venv

&lt;&gt; css.html

hangman.py

&lt;&gt; internal.html

main.py

&lt;&gt; sample.html

stock\_portfolio.py

Scratches

main.py

stock\_portfolio.py ×

hangman.py

&lt;&gt; sample.html

&lt;&gt; css.html

⋮

```
3  class StockPortfolio:
10
11  1 usage
17  def remove_stock(self, ticker):
18      if ticker in self.portfolio:
19          del self.portfolio[ticker]
20          print(f"{ticker} removed from your portfolio.")
21      else:
22          print(f"{ticker} is not in your portfolio.")
23
24  1 usage
25  def view_portfolio(self):
26      if not self.portfolio:
27          print("Your portfolio is empty.")
28          return
29
30      print("\nYour Portfolio:")
31      for ticker, details in self.portfolio.items():
32          print(f"{ticker}: {details['quantity']} shares @ ${details['purchase_price']:.2f}")
33
34  1 usage
35  def track_performance(self):
36      if not self.portfolio:
37          print("Your portfolio is empty.")
38          return
```

## Project Files ▾

C:\Users\Admin\PycharmProjects\desktop\pythonP

&gt; .idea

&gt; .venv

&lt;&gt; css.html

hangman.py

&lt;&gt; internal.html

main.py

&lt;&gt; sample.html

stock\_portfolio.py

Scratches

main.py

stock\_portfolio.py ×

hangman.py

&lt;&gt; sample.html

&lt;&gt; css.html

⋮

⚠ 2 ^ ▾

3 class StockPortfolio:33 def track\_performance(self):

37

38 print("\nPerformance Tracking:")

39 for ticker, details in self.portfolio.items():

40 stock = yf.Ticker(ticker)

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

42 value = details['quantity'] \* current\_price

43 print(

44 f"{ticker}: Current Price = \${current\_price:.2f}, "

45 f"Total Value = \${value:.2f}, "

46 f"Profit/Loss = \${value - details['quantity'] \* details['purchase\_price']:.2f}, "

47 )

1 usage

48 def main():

49 portfolio = StockPortfolio()

50 while True:

51 print("\nStock Portfolio Tracker")

52 print("1. Add Stock")

53 print("2. Remove Stock")

54 print("3. View Portfolio")

55 print("4. Track Performance")

56 print("5. Exit")

57 choice = input("Choose an option (1-5): ")

58

59 if choice == "1":

## Project Files ▾

C:\Users\Admin\PycharmProjects\desktop\pythonP

&gt; .idea

&gt; .venv

&lt;&gt; css.html

hangman.py

&lt;&gt; internal.html

main.py

&lt;&gt; sample.html

stock\_portfolio.py

Scratches

main.py

stock\_portfolio.py ×

hangman.py

&lt;&gt; sample.html

&lt;&gt; css.html

⋮

⚠ 2 ^ ▾

48 def main():

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

if choice == "1":

ticker = input("Enter stock ticker: ").upper()

quantity = int(input("Enter quantity: "))

purchase\_price = float(input("Enter purchase price: "))

portfolio.add\_stock(ticker, quantity, purchase\_price)

elif choice == "2":

ticker = input("Enter stock ticker to remove: ").upper()

portfolio.remove\_stock(ticker)

elif choice == "3":

portfolio.view\_portfolio()

elif choice == "4":

portfolio.track\_performance()

elif choice == "5":

print("Exiting...")

break

else:

print("Invalid option. Please choose again.")

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

main()

Project Files

C:\Users\Admin\PycharmProjects\desktop\pythonP

> .idea

> .venv

<> css.html

hangman.py

<> internal.html

main.py

<> sample.html

stock\_portfolio.py

Scratches

main.py

stock\_portfolio.py

hangman.py

<> sample.html

<> css.html

48

def main():

57

choice = input("Choose an option (1-5): ")

58

59

if choice == "1":

60

ticker = input("Enter stock ticker: ").upper()

61

quantity = int(input("Enter quantity: "))

62

purchase\_price = float(input("Enter purchase price: "))

63

portfolio.add\_stock(ticker, quantity, purchase\_price)

64

elif choice == "2":

65

ticker = input("Enter stock ticker to remove: ").upper()

66

portfolio.remove\_stock(ticker)

67

elif choice == "3":

68

portfolio.view\_portfolio()

69

elif choice == "4":

70

portfolio.track\_performance()

Terminal

Local

+

+

+

+

FURNITURE: 4 shares @ \$70000.00 each

Stock Portfolio Tracker

1. Add Stock

2. Remove Stock

3. View Portfolio

4. Track Performance

5. Exit

Choose an option (1-5):