

# CSE 1322L – Assignment 1 (Spring 2025)

## Introduction

In this assignment, you will write a simple program to help a small store keep track of its inventory, of which the store only has two: apples and oranges. The program needs to keep track of how much of each product is in store, how much either product is currently being sold for, as well as the store's balance. While the store cannot store fractions of fruits (only whole fruits), the store is allowed to go infinitely into debt.

## Requirements

The features described below must be in your program:

- Your main method must keep track of the following, using appropriate data types:
  - Number of apples in storage, starting at 0
  - Number of oranges in storage, starting at 0
  - The current sell price of apples, starting at 0
  - The current sell price of oranges, starting at 0
  - The store's current balance, starting at 0
- Your main method must implement the following menu options:
  - **Buy apples**
    - Prompts the user for the number of apples to buy.
    - Do not accept negative values: keep prompting the user for the number of apples to buy until they enter a non-negative value.
    - If the user enters "0", return them to the main menu
    - For any positive number, ask the user the price at which those apples are being bought for. You don'







5. Change price of apples
6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 2

Buy how many oranges? 10

Buy oranges at what price? \$3.25

Bought 10 oranges @ \$3.25 for a total of \$32.50

1. Buy apples
2. Buy oranges
3. Sell apples
4. Sell oranges
5. Change price of apples
6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 5

What should be the new price of selling apples? \$5.20

Selling price of apples set @ \$5.20

1. Buy apples
2. Buy oranges
3. Sell apples
4. Sell oranges
5. Change price of apples
6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 6

**k \**

**+**

**z**



6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 5

What should be the new price of selling apples? \$6.05

Selling price of apples set @ \$6.05

1. Buy apples
2. Buy oranges
3. Sell apples
4. Sell oranges
5. Change price of apples
6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 3

Sell how many apples @ \$6.05? 60

Not enough apples. Selling instead 50 apples @ \$6.05 for a total of \$302.50

1. Buy apples
2. Buy oranges
3. Sell apples
4. Sell oranges
5. Change price of apples
6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 7

Current inventory is:

0 apples currently selling @ \$6.05

0 oranges currently selling @ \$7.50

1. Buy apples
2. Buy oranges
3. Sell apples
4. Sell oranges
5. Change price of apples
6. Change price of oranges

7. List inventory
8. Show balance
0. Quit

Enter option: 8

Current balance is \$395.00

1. Buy apples
2. Buy oranges
3. Sell apples
4. Sell oranges
5. Change price of apples
6. Change price of oranges
7. List inventory
8. Show balance
0. Quit

Enter option: 0