

FlowerShop.java

The following code is a break down to demonstrate how to utilize Files as Input and Output.

The Flowers.txt is a tabular entry of the FlowerShop's inventory delimited by space characters.

The inventory is organized in the format:

FlowerType Cost\_SingleFlower Cost\_BouquetOfFlowers

Your task will be to create a Java program to sell flowers based on the Flowers.txt types and prices.

If a customer wants to purchase a count of flowers that exceeds the cost of a bouquet, your program should ask if they would prefer the bouquet purchase.

For example:

Roses are individually \$1.50 whereas a bouquet is \$10.

If a customer tries to purchase 7 individual Roses, which add up to \$10.50, the program should ask if the customer would prefer a Bouquet to save \$0.50.

If a customer tries to purchase 14 individual roses, the program should ask if the customer would prefer two (2) Bouquets.

You are welcome to use any data structure to store the read in data.

For instance, you may use an n-dimensional Array to represent the entire FlowerShop's Inventory.

- Index@[0] would be the String representation of the FlowerType
- Index@[1] would be the Double representation of the Cost\_SingleFlower
- Index@[2] would be the Double representation of the Cost\_BouquetOfFlowers

To extrapolate the above,

[0][1] would be a Rose's Individual Cost.

[2][2] would be a Hydrangea's Cost\_BouquetOfFlowers