Java Essentials Module 2 Case Study 1

Please use the jar file to test the program.

Command: java -jar Module2CaseStudy1.jar

# DrinksMenu Class:

**import** java.util.Scanner;

**public** **class** DrinksMenu {

**static** Scanner *drinksInput* = **new** Scanner(System.***in***);

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

String[] drinks = {"Beer ", "Wine ", "Coke ", "Whiskey", "Vodka"};

**float**[] prices = {4.00f, 5.00f, 3.00f, 4.5f, 4.0f};

**int**[] drinksOrdered = {0, 0, 0, 0, 0};

String drinksMenuSelected;

**float** totalBill = 0f;

System.***out***.println("Drinks Menu: ");

System.***out***.println(" ");

**do** {

**for** (**int** i = 1; i < 6; i++) {

System.***out***.println(i + ". " + drinks[i-1] + "\t£" + prices[i-1]);

}

System.***out***.println(" ");

System.***out***.println("Please enter the number of your drink and quantity.");

System.***out***.println("Please enter your drink selection:");

**int** drinksSelection = *drinksInput*.nextInt();

*drinksInput*.nextLine();

System.***out***.println("Please enter the quantity of drinks:");

**int** drinksQuantity = *drinksInput*.nextInt();

*drinksInput*.nextLine();

drinksOrdered[drinksSelection - 1] = drinksOrdered[drinksSelection - 1] + drinksQuantity;

System.***out***.println("Select more drinks?");

System.***out***.println("Type Yes to select more drinks.");

drinksMenuSelected = *drinksInput*.nextLine();

} **while** (drinksMenuSelected.equals("Yes"));

System.***out***.println("");

System.***out***.println("---------------------------------------------------");

System.***out***.println("");

System.***out***.println("Total Bill:");

System.***out***.println("");

**for** (**int** i = 1; i < 6; i++) {

**if** (drinksOrdered[i-1] > 0) {

System.***out***.println(i + ". " + drinks[i-1] + "\tQuant x" + drinksOrdered[i-1] + "\t£" + (prices[i-1] \* drinksOrdered[i-1]));

totalBill = totalBill + (prices[i-1] \* drinksOrdered[i-1]);

}

}

System.***out***.println("");

System.***out***.println("Total Cost = £" + totalBill);

}

}

# Output:

Drinks Menu:

1. Beer £4.0

2. Wine £5.0

3. Coke £3.0

4. Whiskey £4.5

5. Vodka £4.0

Please enter the number of your drink and quantity.

Please enter your drink selection:

1

Please enter the quantity of drinks:

2

Select more drinks?

Type Yes to select more drinks.

Yes

1. Beer £4.0

2. Wine £5.0

3. Coke £3.0

4. Whiskey £4.5

5. Vodka £4.0

Please enter the number of your drink and quantity.

Please enter your drink selection:

3

Please enter the quantity of drinks:

3

Select more drinks?

Type Yes to select more drinks.

Yes

1. Beer £4.0

2. Wine £5.0

3. Coke £3.0

4. Whiskey £4.5

5. Vodka £4.0

Please enter the number of your drink and quantity.

Please enter your drink selection:

5

Please enter the quantity of drinks:

4

Select more drinks?

Type Yes to select more drinks.

Yes

1. Beer £4.0

2. Wine £5.0

3. Coke £3.0

4. Whiskey £4.5

5. Vodka £4.0

Please enter the number of your drink and quantity.

Please enter your drink selection:

4

Please enter the quantity of drinks:

0

Select more drinks?

Type Yes to select more drinks.

---------------------------------------------------

Total Bill:

1. Beer Quant x2 £8.0

3. Coke Quant x3 £9.0

5. Vodka Quant x4 £16.0

Total Cost = £33.0