CT874

# Assignment 1

H.Dip. Industry Stream

HUME, TORI (ID 11486248)

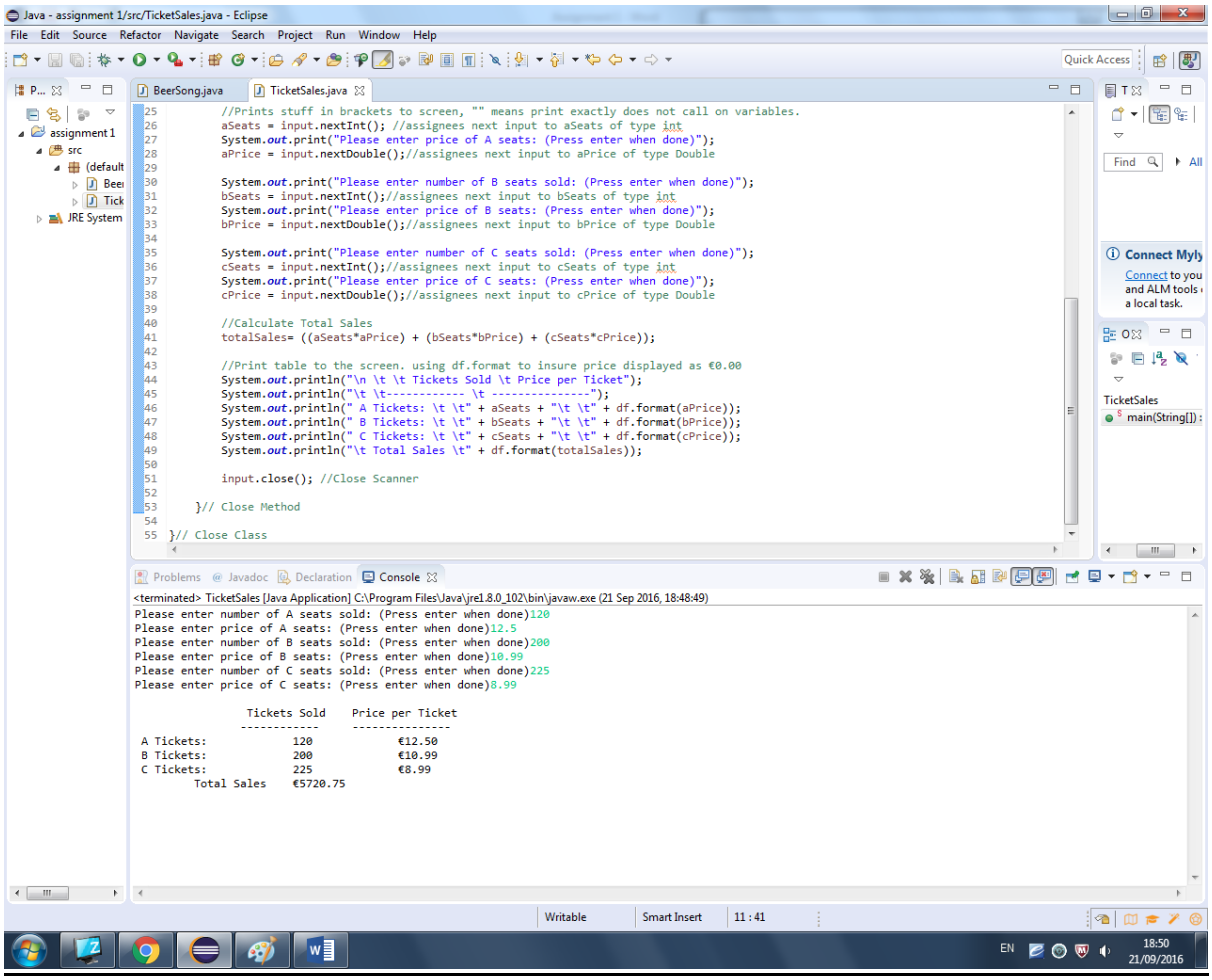
## Question 1

**Code:**

```
/*
 * Name: Tori Hume
 * ID: 11486248
 * Assignment 1 part 1
 */

import java.util.Scanner; //import the scanner method
import java.text.DecimalFormat; //imports the decimal method

public class TicketSales { //began class

	public static void main(String[] args) { //create method

		//Declare Number of tickets sold for seats in each section, (A,B,C)
		int aSeats, bSeats, cSeats;
		//Declare price of tickets in each section (A,B,C) and total sales
		double aPrice, bPrice, cPrice, totalSales;

		Scanner input = new Scanner(System.in);
		DecimalFormat df = new DecimalFormat("€0.00");


		System.out.print("Please enter number of A seats sold: (Press enter
when done)");
		//Prints stuff in brackets to screen, "" means print exactly does
not call on variables.
		aSeats = input.nextInt(); //assignees next input to aSeats of type
int
		System.out.print("Please enter price of A seats: (Press enter when
done)");
		aPrice = input.nextDouble();//assignees next input to aPrice of type
Double

		System.out.print("Please enter number of B seats sold: (Press enter
when done)");
		bSeats = input.nextInt();//assignees next input to bSeats of type
int
		System.out.print("Please enter price of B seats: (Press enter when
done)");
		bPrice = input.nextDouble();//assignees next input to bPrice of type
Double

		System.out.print("Please enter number of C seats sold: (Press enter
when done)");
		cSeats = input.nextInt();//assignees next input to cSeats of type
int
		System.out.print("Please enter price of C seats: (Press enter when
done)");
		cPrice = input.nextDouble();//assignees next input to cPrice of type
Double
```

```
            //Calculate Total Sales
            totalSales= ((aSeats*aPrice) + (bSeats*bPrice) + (cSeats*cPrice));

            //Print table to the screen. using df.format to insure price
displayed as €0.00
            System.out.println("\n \t \t Tickets Sold \t Price per Ticket");
            System.out.println("\t \t------------ \t ---------------");
            System.out.println(" A Tickets: \t \t" + aSeats + "\t \t" +
df.format(aPrice));
            System.out.println(" B Tickets: \t \t" + bSeats + "\t \t" +
df.format(bPrice));
            System.out.println(" C Tickets: \t \t" + cSeats + "\t \t" +
df.format(cPrice));
            System.out.println("\t Total Sales \t" + df.format(totalSales));

            input.close(); //Close Scanner

      }// Close Method

}// Close Class
```

**Screen Shot:**

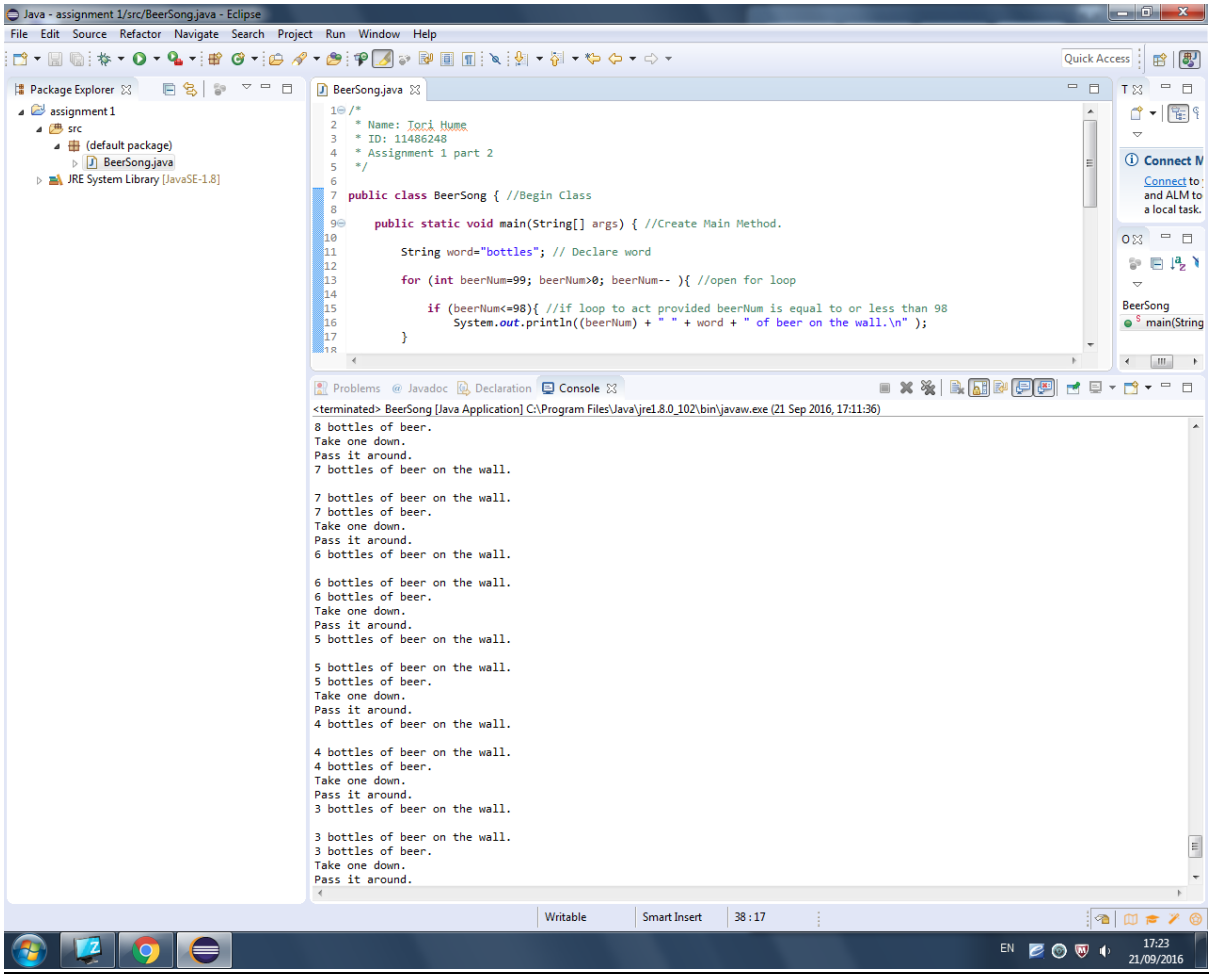


## Question 2

**Code:**

```
/*
 * Name: Tori Hume
 * ID: 11486248
 * Assignment 1 part 2
 */

public class BeerSong { //Begin Class

	public static void main(String[] args) { //Create Main Method.

		String word="bottles"; // Declare word

		for (int beerNum=99; beerNum>0; beerNum-- ){ //open for loop

			if (beerNum<=98){ //if loop to act provided beerNum is equal
to or less than 98
				System.out.println((beerNum) + " " + word + " of beer
on the wall.\n" );
		}

		System.out.println(beerNum +" "+ word + " of beer on the wall.");
		System.out.println(beerNum+ " " + word + " of beer.");
		System.out.println("Take one down.");
		System.out.println("Pass it around.");


		if (beerNum==2) {
			beerNum=1;
			word="bottle";// singular
			System.out.println((beerNum) + " " + word + " of beer on the
wall.\n" );
			System.out.println(beerNum +" "+ word + " of beer on the
wall.");
			System.out.println(beerNum+ " " + word + " of beer.");
			System.out.println("Take one down.");
			System.out.println("Pass it around.");}
	}

	System.out.println("No more bottles of beer on the wall");
	//outside for loop. only prints if beerNum=0 and program exits for loop

} //Close Method

} //close Class
```

## Screen Shot:


Java - assignment 1/src/BeerSong.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Package Explorer
assignment 1
src
(default package)
BeerSong.java
JRE System Library [JavaSE-1.8]
BeerSong.java
1 /*
2 * Name: Tori Hume
3 * ID: 11486248
4 * Assignment 1 part 2
5 */
6
7 public class BeerSong { //Begin Class
8
9 public static void main(String[] args) { //Create Main Method.
10
11 String word="bottles"; // Declare word
12
13 for (int beerNum=99; beerNum>0; beerNum-- ){ //open for loop
14
15 if (beerNum<=98){ //if loop to act provided beerNum is equal to or less than 98
16 System.out.println((beerNum) + " " + word + " of beer on the wall.\n" );
17 }
Problems Javadoc Declaration Console
<terminated> BeerSong [Java Application] C:\Program Files\Java\jre1.8.0_102\bin\javaw.exe (21 Sep 2016, 17:11:36)
8 bottles of beer.
Take one down.
Pass it around.
7 bottles of beer on the wall.
7 bottles of beer on the wall.
7 bottles of beer.
Take one down.
Pass it around.
6 bottles of beer on the wall.
6 bottles of beer on the wall.
6 bottles of beer.
Take one down.
Pass it around.
5 bottles of beer on the wall.
5 bottles of beer on the wall.
5 bottles of beer.
Take one down.
Pass it around.
4 bottles of beer on the wall.
4 bottles of beer on the wall.
4 bottles of beer.
Take one down.
Pass it around.
3 bottles of beer on the wall.
3 bottles of beer on the wall.
3 bottles of beer.
Take one down.
Pass it around.
Writable
Smart Insert
38 : 17
EN
17:23
21/09/2016