Lab 3

Write a java program that prompts the user to enter the weight of an item in ounces and the price per pound. Then ask user to enter his/her name (User can enter a string with any order of lower/upper case characters).The name will include their first and last name with a space between them. Note that the name will be saved in one string variable. Do not use two different variables for first name and last name.

Your program should calculate the item's weight in pounds then calculate the cost of buying an item.

1 Pound = 16 Once

Then generate a two-digit random number as a confirmation code.

Your program should convert the user's name to all uppercase characters and replace the space between first and last names with a period (.).

Your code should print a receipt that includes the cashier's name (all uppercase with a period for separating the first and last name) and the confirmation code. The output should also include the unit price, weight in pounds and the total price.

You should use NumberFormat to print any currency and DecimalFormat with 2 decimal places for printing the weight.

Note: Test your code for a variety of inputs. Remember, the code with the errors will not be graded. Make sure you use concepts and statements that we covered in chapters 1, 2, and 3. The projects that uses the concepts that we have not covered yet will receive zero.

Sample Output:

```
Enter your name:
Nazli Mehrazar
Enter the item's weight in ounces:
41
Enter the price per pound:
5.25
                  \\\  Welcome NAZLI.MEHRAZAR ///
                  ==============================
                    Unit Price:   5.25 per pound
                    Weight:       2.56 pounds
                  ==============================
                    Total:        13.44

                    Confirmation Code: 32
```