

Programming Assignment 5

Objectives:

- Practice reading input from keyboard
- Practice using printf
- Practice basic mathematical operations.

Assignment:

In this assignment, you are going to write a program that represents a website that mail birthday money as cash to 3 recipients. The recipients get \$1.00 per year. For instance, if someone is turning 35 years old, they would receive \$35.00. There is a \$0.50 fee for each recipient.

First, you will ask the user for the first name, last name, and the age they will be on their birthday of each of the 3 recipients. Then, you will display the recipients' information in a table, as shown in the sample execution. Finally, you will calculate the subtotal, tax, and final total of the user's order, and display each. The subtotal is the sum of the money that will be sent and the \$0.50 fee for each recipient.

You must use printf when creating the table and the receipt.

Sample Executions:

Sample Execution 1:

Birthday Money Inc.

=====

Welcome to Birthday Money Inc.! We mail birthday money, so you don't have to!

Only a \$0.50 fee per recipient.

Enter 3 recipients' information below.

Enter first name: Jeri
Enter last name: Russell
Enter age: 51

Enter first name: Jordan
Enter last name: Greer
Enter age: 24

Enter first name: Diana
Enter last name: Flowers
Enter age: 35

Order Information

=====

Last Name		First Name	Age	Money
Russell	Jeri	51	\$51.00	
Greer	Jordan	24	\$24.00	
Flowers	Diana	35	\$35.00	

Receipt

=====

Subtotal	\$111.50
Tax	\$ 12.27

Total	\$123.77

Sample Execution 2:

Birthday Money Inc.

=====

Welcome to Birthday Money Inc.! We mail birthday money, so you don't have to!

Only a \$0.50 fee per recipient.

Enter 3 recipients' information below.

Enter first name: Ryan
Enter last name: Relinski
Enter age: 35

Enter first name: Harper
Enter last name: Sheldon
Enter age: 5

Enter first name: Isabella
Enter last name: Perlmutter
Enter age: 17

Order Information

=====

Last Name		First Name	Age	Money
Relinski	Ryan	35	\$35.00	
Sheldon	Harper	5	\$5.00	
Perlmutter	Isabella	17	\$17.00	

Receipt

=====

Subtotal	\$58.50
Tax	\$ 6.44

Total	\$64.94

Requirements:

- Use an updated comment block.
- Your program should use the following comment block at the very beginning of your program.

```
// Name: Your Name           Date Assigned: Fill in
//
// Course: CSCI 2000 60356    Date Due: Fill in
//
// Instructor: Ms. Greer
//
// File name: Fill in
//
// Program Description: Brief description of what the program does.
```

- Use appropriate comments throughout the program.
- Make good use of whitespace.
- Output must be neat, logical, and easy to understand.

Deliverables:

- Upload the file that has your source code to Moodle. The file should be the **.java** file.

Grading:

Total Points	10 points
Display website information/instructions	1 point
Get first name, last name, and age from user for recipient 1	1 point
Get first name, last name, and age from user for recipient 2	1 point
Get first name, last name, and age from user for recipient 3	1 point
Calculate amount of money for each recipient correctly	1 point
Display table correctly using printf	3 points
Calculate subtotal, tax, and final total correctly	1 point
Display receipt correctly using printf	1 point
Not enough comments/whitespace	-1 point
Output is difficult to read / understand or messy.	-1 point
Doesn't have good variable or class names	-1 point