

Prelim Activity 3

Java Programs – Money Counting Machine

TASK GUIDE

Due Date:

Objective: Create a program that will simulate the process of a Money Counting Machine. The program utilizes basic input (use of Scanner), output (use of print and println) and arithmetic operators.

Requirements:

1. Write a program that will compute the total amount of money inserted in a Money Counting Machine. The user will input the number of coins and bills per denomination. The money denomination is as follows:
 - P1000 bill
 - P500 bill
 - P100 bill
 - P50 bill
 - P20 coin
 - P10 coin
 - P5 coin
 - P1 coin
 - 25 cents coin
2. The program should compute the total amount of bills and coins.
3. Shown below are sample inputs and outputs when the program is executed.

Sample output:

Welcome to SLU Money Counting Machine
The machine can accept bills and coins.
Please enter the number of bills and coins per denomination:
P1000 bill: 3
P500 bill: 2
P100 bill: 0
P50 bill: 1
P20 coin: 5
P10 coin: 3
P5 coin: 3
P1 coin: 10
25 cents coin: 3

The total amount is P4205.75

Note: User inputs are shown in red text.

Deliverable:

- Filename: PreAct3LastnameFirstname
- The java file should include comments indicating student name, date and activity name as header at the beginning of the java program.
- The java file should include comments providing the algorithm for the required program.

Rubric and Criteria:

Criteria	10 points	8 points	5 points	3 points	0 point
Program Correctness: Algorithm and logic	The program generates the perfect output. With complete header and algorithm.	The program generates an output with a minor mistake	The program generates a partially correct output	The output of the program is wrong	No submission