JAVA LAB 01

1. Use the code below to create a new JAVA program.
2. Add proper comments to the beginning of the code to include your Full Name, Student ID, Course Name, and Lab number.

// Louise Visneskie

// Student ID 123456971

// IN2363 201

// Lab 1

// Due February 3, 2023

/\* Louise Visneskie

Student ID 123456971

IN2363 201

Lab 1

Due February 3, 2023

\*/

1. Change the name of the class to ComputeChange\_AAA### where AAA is the first 3 letters of your first name and ### is the last 3 digits of your student number. (Eg. ComputeChange\_LOU971)(1 point)
2. Add \_AAA### to the 7 variables where AAA is the first 3 letters of your first name and ### is the last 3 digits of your student number. (3 points)
3. Add “AAA###” to the beginning of the display results statement. (1 point) (Eg. LOU971 Your amount 67.23 consists of …)
4. Run the program in the console 3 times. Provide a full screen shot of the code and console for each amount
5. With the amount 501.63
6. With the amount 47.00
7. With the amount .89
8. Adjust the display results using “if” statements so that the amount 62.00 displays only “Your amount 62.00 consists of 62 dollars.” and the amount “0.03” displays “Your amount 0.03 consists of 3 pennies.” Provide a full screen shot of the code and console for each amount. (5 points)
9. Submit your java code and 5 screen shots (5 points - 1 for each screen shot)

import java.util.Scanner;

public class ComputeChange {

public static void main(String[] args) {

// Create a Scanner

Scanner input\_LOU971 = new Scanner(System.in);

// Receive the amount

System.out.print(

"Enter an amount in double, for example 11.56: ");

double amount = input.nextDouble();

int remainingAmount = (int)(amount \* 100);

// Find the number of one dollars

int numberOfOneDollars = remainingAmount / 100;

remainingAmount = remainingAmount % 100;

// Find the number of quarters in the remaining amount

int numberOfQuarters = remainingAmount / 25;

remainingAmount = remainingAmount % 25;

// Find the number of dimes in the remaining amount

int numberOfDimes = remainingAmount / 10;

remainingAmount = remainingAmount % 10;

// Find the number of nickels in the remaining amount

int numberOfNickels = remainingAmount / 5;

remainingAmount = remainingAmount % 5;

// Find the number of pennies in the remaining amount

int numberOfPennies = remainingAmount;

// Display results

System.out.println("Your amount " + amount + " consists of");

System.out.println(" " + numberOfOneDollars + " dollars");

System.out.println(" " + numberOfQuarters + " quarters ");

System.out.println(" " + numberOfDimes + " dimes");

System.out.println(" " + numberOfNickels + " nickels");

System.out.println(" " + numberOfPennies + " pennies");

}

}