Credit Name: CSE 2140 2nd Language Programming Assignment Name: MetricConversion mastery How has your program changed from planning to coding to now? Please explain? I used a do-while loop, but i consider it unnecessary My first code import java.util.Scanner; public class Si { public static void main(String[] args) { Scanner input = **new** Scanner(System.**in**); double value; System.out.print("Enter the value to convert: "); value = input.nextDouble(); int choice: do { (here starts the loop) System.out.println("\nMetric Conversion Menu:"); System.out.println("1. Inches to Centimeters"); System.out.println("2. Feet to Centimeters"); System.out.println("3. Yards to Meters"); System.out.println("4. Miles to Kilometers"); System.out.println("5. Centimeters to Inches"); System.out.println("6. Centimeters to Feet"); System.out.println("7. Meters to Yards"); System.out.println("8. Kilometers to Miles"); System.out.println("0. Exit"); System.out.print("Choose an option: "); choice = input.nextInt(); switch (choice) { case 1: System.out.println(value + " inches = " + inchesToCentimeters(value) + " centimeters"); break: case 2: System.out.println(value + " feet = " + feetToCentimeters(value) + " centimeters"); break: case 3: System.out.println(value + " yards = " + yardsToMeters(value) + " meters"); break; case 4: System.out.println(value + " miles = " + milesToKilometers(value) + " kilometers"); break; case 5: System.out.println(value + " centimeters = " + centimetersToInches(value) + " inches");

break; case 6:

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System.out.println(value + " centimeters = " + centimetersToFeet(value) + " feet");
          break;
       case 7:
          System.out.println(value + " meters = " + meters To Yards(value) + " yards");
          break;
       case 8:
          System.out.println(value + " kilometers = " + kilometersToMiles(value) + " miles");
          break;
       case 0:
          System.out.println("Exiting the program.");
          break;
       default:
          System.out.println("Invalid choice. Please try again.");
  } while (choice != 0);
                                                                                    (the condition)
  input.close();
}
// Conversion methods
public static double inchesToCentimeters(double inches) {
  return inches * 2.54;
public static double feetToCentimeters(double feet) {
  return feet * 30;
public static double yardsToMeters(double yards) {
  return yards * 0.91;
public static double milesToKilometers(double miles) {
  return miles * 1.6;
public static double centimetersToInches(double centimeters) {
  return centimeters / 2.54;
public static double centimetersToFeet(double centimeters) {
  return centimeters / 30;
public static double metersToYards(double meters) {
  return meters / 0.91;
public static double kilometersToMiles(double kilometers) {
  return kilometers / 1.6;
}
```

}