

Error Log Entry

What error message did you encounter (if any)?
I had a couple of errors in this code. My first error was in formatting the actual output message that the user sees. I for some reason couldn't immediately grasp how to format it so that the menu was in 4 consecutive lines instead of 8. My second error, a more serious one, was that I didn't know how to introduce the variable that contained the user's number into the method.
What unexpected behavior did your program exhibit?
1. The program looked messy and wasn't exactly formatted to what the desired program was supposed to look like. 2. Java wouldn't allow the program to run since it was starred and had red underlines under the unidentified variables
What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)
1. This was a logic error that was my fault: 2. This was a compiler-time error that was detected by the program itself.
Include a screenshot of specific lines of code.

```
1
System.out.println("1. Inches to Centimeters      5. Centimeters to Inches ");
System.out.println("2. Feet to Centimeters        6. Centimeters to Feet ");
System.out.println("3. Yards to Meters             7. Meters to Yards");
System.out.println("4. Miles to Kilometers         8. Kilometers to Miles ");

2

public static void inchesToCentimeters() {
    double cm = inches * 2.54;
    System.out.println(inches + " inches equals to " + cm + " centimeters");
}
```

How did you fix the issue?
1. This error was very simple in fixing as all I was missing was the `ln` next to the `println` in `System.out.println`. Instead of displaying like code on one whole line, this helped in telling the code to move to the next line for the following message.
2. This error was a little tricky for me to fully understand. In my head I thought you were separately doing the declaration of the variable at a later time, but obviously I was wrong. Instead of doing this, I learned that you could simply just create a parameter that will be within that method itself. Once I figured out this one mishap it was relatively easy to continue the process on the other methods

Provide the corrected code or solution using a screenshot.

```
1
System.out.println("Convert: ");

System.out.println("1. Inches to Centimeters      5. Centimeters to Inches ");
System.out.println("2. Feet to Centimeters        6. Centimeters to Feet ");
System.out.println("3. Yards to Meters             7. Meters to Yards");
System.out.println("4. Miles to Kilometers         8. Kilometers to Miles ");

2

public static void inchesToCentimeters(double inches) {
    double cm = inches * 2.54;
    System.out.println(inches + " inches equals to " + cm + " centimeters");
}
```

FULL COMPLETED CODE

```
public static void main(String[] args) {
    // 1000 Auto-generated method stub
    Scanner input = new Scanner(System.in);

    System.out.print("Enter a number: ");
    double number = input.nextDouble();

    System.out.println("Convert: ");

    System.out.println("1. Inches to Centimeters      5. Centimeters to Inches ");
    System.out.println("2. Feet to Centimeters        6. Centimeters to Feet ");
```

```
System.out.println("3. Yards to Meters");
System.out.println("4. Miles to Kilometers");

System.out.print("Enter your choice: ");
int choice = input.nextInt();

if (choice == 1) inchesToCentimeters(number);
else if (choice == 2) feetToCentimeters(number);
else if (choice == 3) yardsToMeters(number);
else if (choice == 4) milesToKilometers(number);
else if (choice == 5) centimetersToInches(number);
else if (choice == 6) centimetersToFeet(number);
else if (choice == 7) metersToYards(number);
else if (choice == 8) kilometersToMiles(number);
else System.out.println("Invalid choice.");
```