

ErrorLog: MetricConversion

Youdis

```
Enter a number: 1
1.Inches to Centimeters    5.Centimeters to Inches
2.Feet to Centimeters      6.Centimeters to Feet
3.Yards to Meters          7.Meters to Yards
4.Miles to Kilometers      8.Kilometers to Miles
Enter your choice: 6
1 meters equals 1.0989010989010988 yards
```

Too many decimals, looks unprofessional.

```
case 1:
    System.out.println(valueToConvert + " inches equals " + inToCm(valueToConvert) + " centimeters");
    break;

case 2:
    System.out.println(valueToConvert + " feet equals " + feetToCm(valueToConvert) + " centimeters");
    break;

case 3:
    System.out.println(valueToConvert + " yards equals " + ydsToM(valueToConvert) + " meters");
    break;

case 4:
    System.out.println(valueToConvert + " miles equals " + mileToKm(valueToConvert) + " kilometers");
    break;

case 5:
    System.out.println(valueToConvert + " centimeters equals " + cmToIn(valueToConvert) + " inches");
    break;

case 6:
    System.out.println(valueToConvert + " meters equals " + mToYds(valueToConvert) + " yards");
    break;

case 7:
    System.out.println(valueToConvert + " meters equals " + mToYds(valueToConvert) + " yards");
    break;

case 8:
    System.out.println(valueToConvert + " kilometers equals " + kmToMile(valueToConvert) + " miles");
    break;
}
```

Need to format these to fix super long decimal problem

```

//will use method depending on their answer and use the amount of unit they entered first as parameter to be converted
switch (choice) {
    case 1:
        System.out.println(valueToConvert + " inches equals " + formatter.format(valueToConvert) + " centimeters");
        break;
    case 2:
        System.out.println(valueToConvert + " feet equals " + formatter.format(feetToCm(valueToConvert)) + " centimeters");
        break;
    case 3:
        System.out.println(valueToConvert + " yards equals " + formatter.format(ydsToM(valueToConvert)) + " meters");
        break;
    case 4:
        System.out.println(valueToConvert + " miles equals " + formatter.format(mileToKm(valueToConvert)) + " kilometers");
        break;
    case 5:
        System.out.println(valueToConvert + " centimeters equals " + formatter.format(cmToIn(valueToConvert)) + " inches");
        break;
    case 6:
        System.out.println(valueToConvert + " meters equals " + formatter.format(mToYds(valueToConvert)) + " yards");
        break;
    case 7:
        System.out.println(valueToConvert + " meters equals " + formatter.format(mToYds(valueToConvert)) + " yards");
        break;
    case 8:
        System.out.println(valueToConvert + " kilometers equals " + formatter.format(kmToMile(valueToConvert)) + " miles");
        break;
}

```

Added the formatter

```

Enter a number: 12
1.Inches to Centimeters    5.Centimeters to Inches
2.Feet to Centimeters      6.Centimeters to Feet
3.Yards to Meters          7.Meters to Yards
4.Miles to Kilometers      8.Kilometers to Miles
Enter your choice: 8
12 kilometers equals 7.5 miles

```

Now there are no more long decimals.