Reflection Logs

Credit name: Chapter 6
Assignment Name: Mastery - MetricConversion

```
public static void InchetoCen () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Inch = userinput.nextDouble();
    double Centimeter = Inch*2.54;
    System.out.print(Inch + " inches equals " + Centimeter + " centimeters.");
}
```

Create the InchtoCen method to convert the user input of Inch to Centimeter.

```
public static void FeettoCen () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Feet = userinput.nextDouble();
    double Centimeter = Feet*30;
    System.out.print(Feet + " feets equals " + Centimeter + " centimeters.");
}
```

Create the FeettoCen method to convert the user input of Feet to Centimeter.

```
public static void YardtoMeter () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Yard = userinput.nextDouble();
    double Meter = Yard*0.91;
    System.out.print(Yard + " yards equals " + Meter + " meters.");
}
```

Create the YardtoMeter method to convert the user input of Yard to Meter.

```
public static void MiletoKilometer () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Mile = userinput.nextDouble();
    double Kilometer = Mile*1.6;
    System.out.print(Mile + " miles equals " + Kilometer + " kilometers.");
}
```

Create the MiletoKilometer method to convert the user input of Mile to Kilometer.

```
public static void CentoInch () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Centimeter = userinput.nextDouble();
    double Inch = Centimeter/2.54;
    System.out.print(Centimeter + " centimeters equals " + Inch + " inches.");
}
```

Create the CentoInch to convert the user input of Centimeter to Inch

```
public static void CentoFeet () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Centimeter = userinput.nextDouble();
    double Feet = Centimeter/30;
    System.out.print(Centimeter + " centimeters equals " + Feet + " feet.");
}
```

Create the CentoFeet method to convert the user input of Yard to Feet

```
public static void MetertoYard () {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Meter = userinput.nextDouble();
    double Yard = Meter/0.91;
    System.out.print(Meter+ " meters equals " + Yard + " yards.");
}
```

Create the MetertoYard method to convert the user input of Meter to Yard.

```
public static void KilometertoMile() {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    double Kilometer = userinput.nextDouble();
    double Mile = Kilometer/1.6;
    System.out.print(Kilometer + "kilometers equals " + Mile + " miles.");
}
```

Create the KilometertoMile method to convert the user input of Kilometer to Mile.

```
public static void main(String[] args) {
    Scanner userinput = new Scanner (System.in);

    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");

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

    switch (n) {
    case 1:
        InchetoCen ();
        break;
    case 2:
        FeettoCen ();
        break;
    case 3:
        YardtoMeter ();
        break;
    case 4:
        MiletoKilometer();
        break;
    case 5:
        CentoInch ();
        break;
    case 6:
        CentoFeet ();
        break;
    case 7:
        MetertoYard ();
        break;
    case 8:
        KilometertoMile();
        break;
    }
}
```

In public static void main(String[] args)
Ask the user the converting table which number options and ask the user to put in their option. The user's input will be compared with in the switch statement to decide what the method user want to convert.