

```

1
2  /**
3   * Comment class Metric
4   * CS 151 section 01
5   * PROJECT #2
6   * @author (Yaw Abaaho)
7   * @version (2/2/2019)
8   *
9   * The metric class takes different measurments from the user and converts
10  * them into their meter equivalent
11  */
12  import java.util.Scanner;
13
14  public class Metric
15  {
16      public static void main(String args[])
17      {
18          int mile;
19          int yard;
20          int foot;
21          int inch;
22
23          double mileConv = 1609.3;
24          double yardConv = 0.9144;
25          double footConv = 0.3048;
26          double inchConv = 0.0254;
27
28          Scanner scan = new Scanner(System.in);
29
30          System.out.println("Enter an input in miles");
31
32          mile = scan.nextInt();
33          double mileMeter = mile * mileConv;
34
35          System.out.println("Enter an input in yards");
36
37          yard = scan.nextInt();
38          double yardMeter = yard * yardConv;
39
40          System.out.println("Enter an input in feet");
41
42          foot = scan.nextInt();
43          double footMeter = foot * footConv;
44
45          System.out.println("Enter an input in inches");
46
47          inch = scan.nextInt();
48          double inchMeter = inch * inchConv;
49
50          System.out.println(mile + " miles" + " converted into meters is " + mileMeter +
51          " meters");
52
53          System.out.println(yard + " yards" + " converted into meters is " + yardMeter +
54          " meters");
55
56          System.out.println(foot + " feet" + " converted into meters is " + footMeter +
57          " meters");
58
59          System.out.println(inch + " inches" + " converted into meters is " + inchMeter +
60          " meters");
61
62          double totalLength = mileMeter + yardMeter + footMeter + inchMeter;
63          System.out.println("The total length in meters is " + totalLength);
64      }
65  }

```