**Programming Principles 02**

**Tutorials 05**

**Task 1 – Enhancing the “convert”**

**1.**

**convert.java**

public class Convert {

public static final double MM\_IN\_INCH = 25.4;

public static final double MM\_IN\_FOOT = 304.8;

public static final double MM\_IN\_YARD = 914.4;

public static final double MM\_IN\_MILE = 1609344;

public static double cm2inches(double cm) {

return cm \* 0.393;

}

public static double m2feet(double m) {

return m \* 3.281;

}

public static double m2yards(double m){

return m \* 1.094;

}

public static double km2miles(double km ){

return km \* 0.621;

}

}

**convertTest.java**

public class ConvertTest {

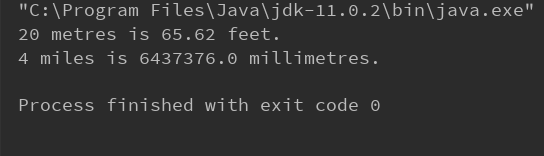
public static void main(String[] args) {

System.out.println("20 metres is "+ Convert.m2feet(20) + " feet.");

System.out.println("4 miles is " + Convert.MM\_IN\_MILE \* 4 +" millimetres.");

}

}



**2.**

**convert.java**