public class TemperatureConverter {

public static void main(String[] args){

System.out.println(temperatureConverter(12,"c","k"));

System.out.println(temperatureConverter(15,"k","F"));

System.out.println(temperatureConverter(12,"k","c"));

}

public static String temperatureConverter(double temperature, String

fromUnit, String toUnit){

double retVal=0.0;

if(fromUnit.equalsIgnoreCase("C")){

if(toUnit.equalsIgnoreCase("k")) retVal= temperature+273.15;

else if(toUnit.equalsIgnoreCase("F")) retVal=

((9/5)\*temperature)+32;

}

else if(fromUnit.equalsIgnoreCase("k")){

if(toUnit.equalsIgnoreCase("C")) retVal= temperature-273.15;

else if(toUnit.equalsIgnoreCase("F")) retVal= (((temperature –

273) \* 9/5) + 32);

}

else if(fromUnit.equalsIgnoreCase("F")){

if(toUnit.equalsIgnoreCase("C")) retVal= (5.0/9.0)\*(temperature

- 32);

else if(toUnit.equalsIgnoreCase("K")) retVal= (5/9 \*

(temperature - 32) + 273.15);

}

return retVal+toUnit;

}

}