```
public class TemperatureDemoWithoutArrays
{
	public static final int ARRAY_SIZE = 5;
	public static void main(String[] args)
	{
		int x;
		Temperature temp1 = new Temperature(100.0, 'C');
		Temperature temp2 = new Temperature(122, 'F');
		Temperature temp3 = new Temperature(32.0, 'F');
		Temperature temp4 = new Temperature(100.0, 'C');
		Temperature tempAve = new Temperature(50.0, 'C');
		System.out.println(temp2 + " to Celcius is " +
temp2.toCelsius());
		System.out.println("Temp1 is " + temp1);
		temp1 = temp1.toKelvin();
		System.out.println("Temp1 to Kalvin is " + temp1);
		if (temp2.equals(tempAve))
		{
			System.out.println("These two temperatures are equal");
		}
		else
		{
			System.out.println("These two temperature are not equal");
		}
		System.out.println("tempAve is " + tempAve);
		System.out.println("temp1 is " + temp1);
		System.out.println("temp2 is " + temp2);
		System.out.println("temp3 is " + temp3);
		System.out.println("temp4 is " + temp4);

		tempAve = tempAve.add(temp1);
		tempAve = tempAve.add(temp2);
		tempAve = tempAve.add(temp3);
		tempAve = tempAve.add(temp4);
		tempAve = tempAve.divide(5);
		System.out.println("The average temperature is " + tempAve);
		temp2 = new Temperature(150.0, 'k');
		temp4 = new Temperature(100.0, 'c');
		System.out.print("Subtracting " + temp2 + " from " + temp4 +"
gives " );
		temp4 = temp4.subtract(temp2);
		System.out.println(temp4);

	}

}
```