







and and a man	Declarations	
int age;		w.
float height, are	ea;	
String name		
boolean		
int x=1, y=0;		
String firstName	e="Harry";	
		5



















CS18000: Problem Solving And Object-Oriented Programming

Example: Euclidean Distance		
<pre>public class Lec3Distc extends Thread { public double distance = 0; private double distance = 0; private int begin,end; // Dimensions to compute on public Lec3Distc(double a[], double b[],int bg, int en)</pre>	<pre>public static double EuclideanDistance(double[] a, double[] b) // Requires: a.length = b.length; no null values in a or b // Produces: Euclidean distance between a and b (>=0) { Lec3Distc first = new Lec3Distc(a,b,(int)Math.floor(a.length/2)); Lec3Distc(a,b,(int)Math.floor(a.length/2)+1,a.length); first.start(); // Start computation on the first half, but don't wait second.start(); // Start computation on the second.start(); // Start computation on the second.dift, don't wait try { first.join(); // Wait for the second half to finish. } catch(InterruptedException e) { /* Ignore */ } return Math.sqrt(first.distance+second.distance); } Rest of class (main) is unchanged - This is Functional Abstraction in action!</pre>	
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