```
1  /**
2   * The Jones Trucking Company tracks the location of each of its trucks o
   n a grid similar to an (x, y) plane. The home office is at location (0, 0
   ).  Read the coordinates of truck A and the coordinates of truck B and de
   termine which is closer to the office. Each collection contains 4 integer
   s: the x-coordinate and then the y-coordinate of truck A followed by the
   x-coordinate and then the y-coordinate of truck B.
3   * This lab was designed to teach you how to use if statements
4   * @author Aryan Gupta
5   * @version 1.0, 10/14/2015
6   */
7  import java.util.Scanner;
8  import static java.lang.System.*;
9  import static java.lang.Math.*;
10
11 public class DistanceRunner
12 {
13     public static void main( String[] args )
14     {
15         Scanner keyboard = new Scanner( System.in );
16
17         out.print("Enter X1 :: ");
18         int xOne = keyboard.nextInt();
19         out.print("Enter Y1 :: ");
20         int yOne = keyboard.nextInt();
21         out.print("Enter X2 :: ");
22         int xTwo = keyboard.nextInt();
23         out.print("Enter Y2 :: ");
24         int yTwo = keyboard.nextInt();
25
26         Distance test = new Distance();
27         test.setCoordinates(xOne, yOne, xTwo, yTwo);
28         out.println("\n"+test.determineClosest());
29
30         out.print("Enter X1 :: ");
31         xOne = keyboard.nextInt();
32         out.print("Enter Y1 :: ");
33         yOne = keyboard.nextInt();
34         out.print("Enter X2 :: ");
35         xTwo = keyboard.nextInt();
36         out.print("Enter Y2 :: ");
37         yTwo = keyboard.nextInt();
38
39         test.setCoordinates(xOne, yOne, xTwo, yTwo);
40         out.println("\n"+test.determineClosest());
41     }
42 }
43
```