



Lab 5 – Mutable Objects

Exercise 1

Create a file named A5.java. Place all your code in this file. You will be using the java.awt.Point class for this lab.

Create a public static method named getDistance that takes as input 2 Point objects. The distance between 2 points is calculated as $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$. Calculate the distance between the 2 points and return the result as a double.

Exercise 2

Create a public static method named updatePoint that takes as input a Point and two integers, x and y. Update the x and y coordinates of the point object to the parameters x and y. Return the Point object.

Note: Do not create a new Point object.