[**Project 3 Part 1 (closest pair of points brute force)**](https://fcps.blackboard.com/webapps/assignment/uploadAssignment?content_id=_44328986_1&course_id=_1516674_1&group_id=&mode=view)

**Part 1: create a method part1() that**

  Create and submit an application named l031 that solves the closest-pair problem in the unit square using the "brute force" approach discussed in class. 

In this project:

1) you must store the points you generated in a list (not an array) and you must use at least one iterator in your application to traverse the list you just created.

2) Store all 50 randomly generated points in a file points.txt in which each line will have the coordinate of one point (Ex:  [points.txt](https://fcps.blackboard.com/bbcswebdav/pid-44328986-dt-content-rid-41306364_2/xid-41306364_2)

   ) Follow the format in the file provided, 2 spaces between the value of the x-coordinate and y-coordinate!

3) Create a ppm file 800x800 in which you display a circle of radius 2 where each point is. Use a different color (like red) for the 2 closest points you found.

4) You must turn in to Mr. Jurj a printout of the following file  [Project 3 Part 1.docx](https://fcps.blackboard.com/bbcswebdav/pid-44328986-dt-content-rid-48442868_2/xid-48442868_2)

   in which you paste the ppm file obtained by generating 50 random points in the unit square with the 2 closest points you found with the brute force  in a different color(red).