Lab Project

It’s a centroid calculator when the program starts to run it will welcome the user with a menu and asks the user to choose one of the available choices. And based on which choice is chosen It will ask for more information. Choice #1 will add a new point to the lists, dictionary, and data file. Choice #2 will delete the point based on the id that the user puts in which was assigned previously by the user if the id is not available the code will show a message that says that the id isn’t available. Choice #3 edits a point with the id that the user gives.

Choice #4 prints everything from the data file such as the point (x,y,z) and each id and the count.

Choice #5 calculates the centroid.

Choice #6 calculates the distance from the centroid to the points.

Choice #7 exits from the outer while loop and stops the program

Done by:

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