RoomDraw.java // main class for algorithm

Psuedo Code

Main method{

Take in arg as string; // user declare class

If (arg = freshmen, or sophomore, or junior){ // same outline for each class

Student[];

CreateRandomClass; // create class of random students and data (fake data for demonstration purposes

CalculateSKey; // go through each student and calculate key value

For (students){

Take key value and put into double[];

} // for

sort(Student[]);

for (students){

go in reverse order to give new room draw numbers;

print out;

} // for

} // if

if (arg = individual){

get user data;

Sum.KeyValue(user data); // get user key value

}

} // main