

ClassSize.java

Write a program that:

- Accepts user data about class size, quitting accepting user input when the user types "Quit."
- Use `Integer.parseInt()` from your blue Strings handout to change each user input (String) into int.
- As you read in input, populate a 1-D array. You'll want to make your array huge to start (100 cells) and know that you will likely not use some of it.
- After the array is completely built (input has been completely assigned), print out the data, showing the index for each room and inputted class size for each room.
- After the array is completely built, find the following statistics and print them:
 - Average class size
 - Maximum (use a Math method)
 - Minimum (use a Math method)
 - What room(s) exceed(s) the ideal maximum of 36. For each of these, indicate the index and list by how much.
 - What room(s) is/are less than the ideal maximum of 36. For each of these, indicate the index and list by how much.
 - Bonus (not required)! Make a suggestion for how many students should transfer from one or more rooms to go to one or more rooms, to balance the classes so they are all closer to the ideal maximum.
- Work an example out on paper before starting (using any reasonable data).
- Remember to follow Pandas Don't Eat Oreos conventions.