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Assignment 7 Comparison

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For the findMode.cpp assignment looking at the code posted by the other members of the group helped me realize two things. One is that I need to start including more comments in my code, and the other is that there are multiple ways of solving a problem. Looking at my classmates code was eye opening to see the amount of comments that they were including. I've tried so far to use good variable names and make things easy to follow, but reading through their code was much easier to follow due to the comments.

It was also interesting to see the different ways that the other members of the group solved the problem. Although most of the code followed the same basic pattern, there were some differences between each member. Initially I had my assignment set to use an array to track the numbers and the index to track which one occurred most frequently. However, using this method I experienced some issues with finding the mode of a list of integers as soon as negative numbers were in the list, and had to re-do my entire project.

Looking over the other assignments posted in the group, the one thing that I think my code had that theirs did not was the style and flow of the assignment. Although they did have more comments, I tried to make my submission as easy to follow. Going forward I would like to take an approach with some additional comments, but keep the same style and formatting on code written.

Comparing my assignment to Jason's in the group, I thought we had a submission that was pretty similar. He had the same style and approach to the assignment, and was my vote for the group's best project. One thing that I did like about his submission, as well as Matthew's code is that they both sorted their array before searching the array to find the mode. Looking back this seems like a simple thing to do before hand, and one that I had not considered. Matthew also had variables that were well named and made for easy following. Looking at Kyle's code, he had a similar approach to what I had originally planned by creating a separate array to track the integers to find the mode. I tested his code and it worked better than what I had, the one issue that could still arise is needing to declare the size of the array. He had his set to 200, but if a greater number of integers was passed into the findMode function there could be errors resulting in needing to define the scope of the array.