

### Assignment03 Analysis

1. My programming partner is Colton Haacke and he submitted the source code of our program.
2. We both spent half of the time in each role and I thought it was nice to switch out often so it could be easier to think about the program.
3. I enjoyed working with Colton and look forward to doing more group assignments with him in the future.
4. Using lists instead of arrays would cause problems when trying to iterate through all of the elements however if a list is used then you don't have to worry about a limited capacity of your elements.
5. I expect it to have  $N$  notation because it has to go through each element in the array to search for the element you are looking for.
6. Contains graph
7. Add graph
8. I spent approximately 5-6 hours on this assignment. (debugging took up a large portion)