

Reflection

The questions in this assignment made me think of the problems from various perspectives, which definitely enhanced the learning experience quite a bit. Reviewing a colleague's solution also provided a great opportunity to see a different approach to a completely different problem.

Paraphrasing the problem forced me to fully understand the requirements and constraints, ensuring I was on the right track before even starting to answer the questions. For creating new examples, I had to think carefully about the input cases and their outcomes, which made me consider the nuances of the problem and any proposed solution I would have.

Coding the solution required not only implementing the actual logic in python but also considering its efficiency and clarity. Explaining why the solution worked helped me understand even further the problem and the solution.

Although I faced challenges defining the time and space complexities, working through them gave me more exposure to these concepts and their practical applications. This will certainly help in my future studies / career.

Finally, describing an alternative solution required creativity and reinforced my understanding by making me think about the problem from a different perspective. This ensured my approach was robust and well-rounded. Overall, this assignment pushed me to grow in data structure problem solving and was both challenging and rewarding.