

2-1 Discussion: Data Structures



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Possible Points: 20

Programmers try to solve problems that occur in daily life, such as creating a "to do" list. There are many apps for mobile devices that allow a user to keep track of tasks that need to be accomplished and other tasks that have been accomplished. A data structure will store that data. Choose a type of data that you might see in day-to-day life, such as a grocery list, a contact list, employee records, or stock prices. In your initial post:

- Describe the day-to-day scenario that you chose.
- Identify the type of data structure (array, vector, or linked list) that could best be used to store the data.
- Explain why. Think about the speed of the operations when determining the data structure.

Since data structures are used to store data in an organized form, and data is the most crucial entity in computer science, the true worth of data structures is clear.

In your responses to your peers' posts, consider the following:

- How would choosing a different data structure for the specified data affect the performance of an algorithm?
- Why is choosing a data structure important?

To complete this assignment, review the [Discussion Rubric](#).

Rubrics

 Discussion Rubric: Undergraduate

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Assessment



Discussion Rubric:
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