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effectively. The idea is to reduce the space and time complexities of different tasks. Below is an overview of some popular data structures: Array: An array is a collection of items stored at contiguous memory locations.

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such as the logical or mathematical model for a particular organization of data is termed as a data structure. The variety of a specific data model depends on the two factors -.

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elements in terms of some relationship, for better organization and storage.

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data structure is a data organization, management, and storage format that enables efficient access and modification. More precisely, a data structure is a c...

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available. It is up to the programmer to choose which data structure to use depending on the data.

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just a way to store and organize data so that it can be used efficiently. Basically, these are some structures where we store data so that we can access those data in an efficient way. For different purpose, different data structures are used.

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A data structure is a special way of organizing and storing data in a Page 24/38

computer so that it can be used efficiently. Array, LinkedList, Stack, Queue, Tree, Graph etc are all data structures that stores the data in a special way so that we can access and use the data efficiently. Each of these mentioned data structures has a Page 25/38

different special way of organizing data so we choose the data structure based on the requirement, we will cover each of these data structures in a separate tutorials.

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elements. In the data structure, the decision on the operations such as storage, retrieval, and access must be carried out between the logically related data elements. Data structures are divided into two types.

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