



What is Program? Program = Algorithms + Data Structure. • You know Algorithms is a step by step procedure to solve a particular problem. • To Develop a program of an algorithm, we should select an appropriate data structure for it.

What is Data Structure?	-
Data Structure : is a <u>way of organizing all data items</u> and their relationships to each others inside the program in order to deal with them.	
Data Structure : <u>affects the design</u> of both structural and functional aspects of the program.	
Data structure : is how u <u>organize, manage and store data</u>	
for efficiency reasons.	
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What is Data Structure?	
A data structure: is <u>not only used for organizing the data</u> . It is also used for <u>processing, retrieving, and storing data</u> . There are <u>different basic and advanced types of data</u> structures that are used in almost every program or software system that has been developed. So we must have good knowledge of data structures.	
 Data structures are an integral part of computers used for the <u>arrangement</u> of <u>data in memory</u>. They are essential and responsible for <u>organizing</u>, processing, <u>accessing</u>, <u>and storing data efficiently</u>. But this is not all. 	-
 Various types of data structures have their own characteristics, features, applications, advantages, and disadvantages. 	
The importance of the importan	-
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What is Data Structure?	
 So how do you identify a data structure that is suitable for a particular task? What is meant by the term 'Data Structure'? How many types of data structures are there and what are they used for? 	
structures are there and must are they also for.	
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