

DATA STRUCTURES AND ALGORITHMS.

Beginner to Advanced
GUIDE.

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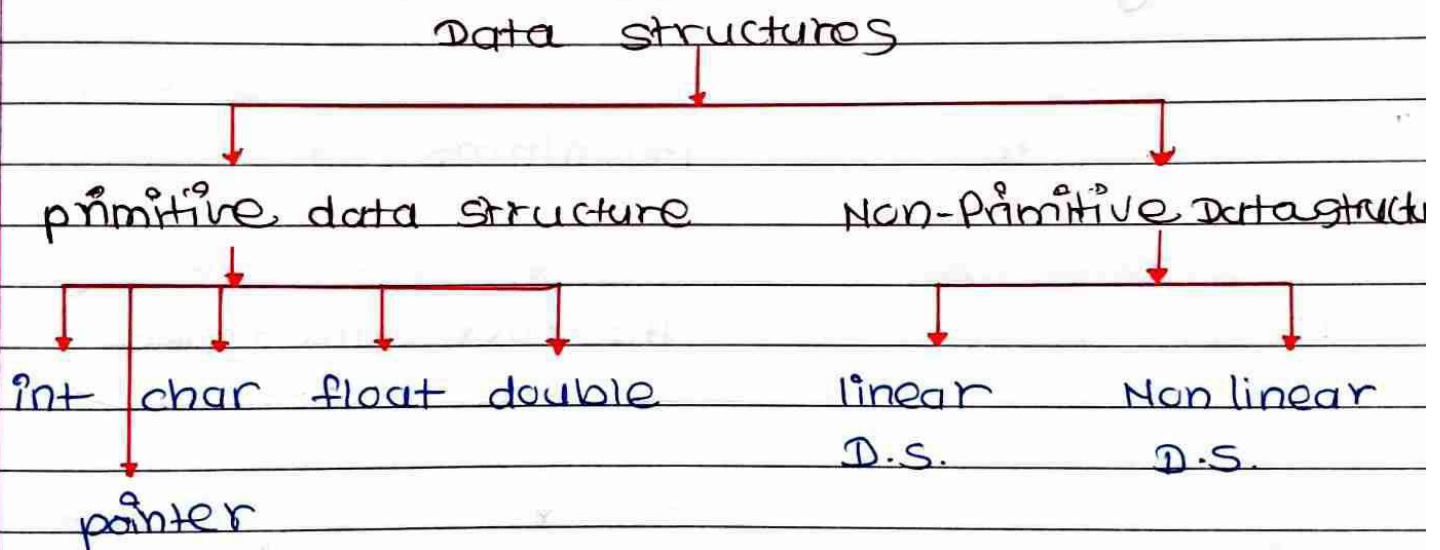
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What is Data Structure ?

→ Data structure is a way to store and organize data so that it can be used efficiently.

As per name indicates itself that organizing the data in memory.

The data structure is not any programming language like C, C++, Java etc. It is set of **algorithms** that we can use in any programming language to structure data in memory.



Linear Data structure :-

The arrangement of data in the sequential manner is known as linear data structure. The data structure used for this purpose are **Arrays, linked list, stacks and queues.**

In this data structures, one element is connected to only one another element in a