**What are Data Structures?**

A [data structure](https://www.mygreatlearning.com/blog/data-structure-tutorial-for-beginners/) is defined as a format for arranging, processing, accessing, and storing data. Data structures are the combination of both simple and complex forms, all of which are made to organise data for a certain use. Users find it simple to access the data they need and use it appropriately thanks to data structures.

To make you understand in simpler terms, look at the below example

If you want to store data in

One on the other - Stacks

Linear fashion - Array/ Linked List

Hierarchical Fashion - Trees

Connect Nodes - Graph

**What are Data Structures in Java?**

Data Structure in java is defined as the collection of data pieces that offers an effective means of storing and organising data in a computer. [Linked List](https://www.mygreatlearning.com/academy/learn-for-free/courses/linkedlist?gl_blog_id=17069), Stack, Queue, and arrays are a few examples of [java data structures](https://www.mygreatlearning.com/academy/learn-for-free/courses/java-data-structures-for-beginners?gl_blog_id=17069).

**Types of Data Structures in Java**

Here is the list of some of the common types of data structures in Java:

* Array
* Linked List
* Stack
* Queue
* [Binary Tree](https://www.mygreatlearning.com/academy/learn-for-free/courses/binary-trees?gl_blog_id=17069)
* Binary Search Tree
* Heap
* Hashing
* Graph