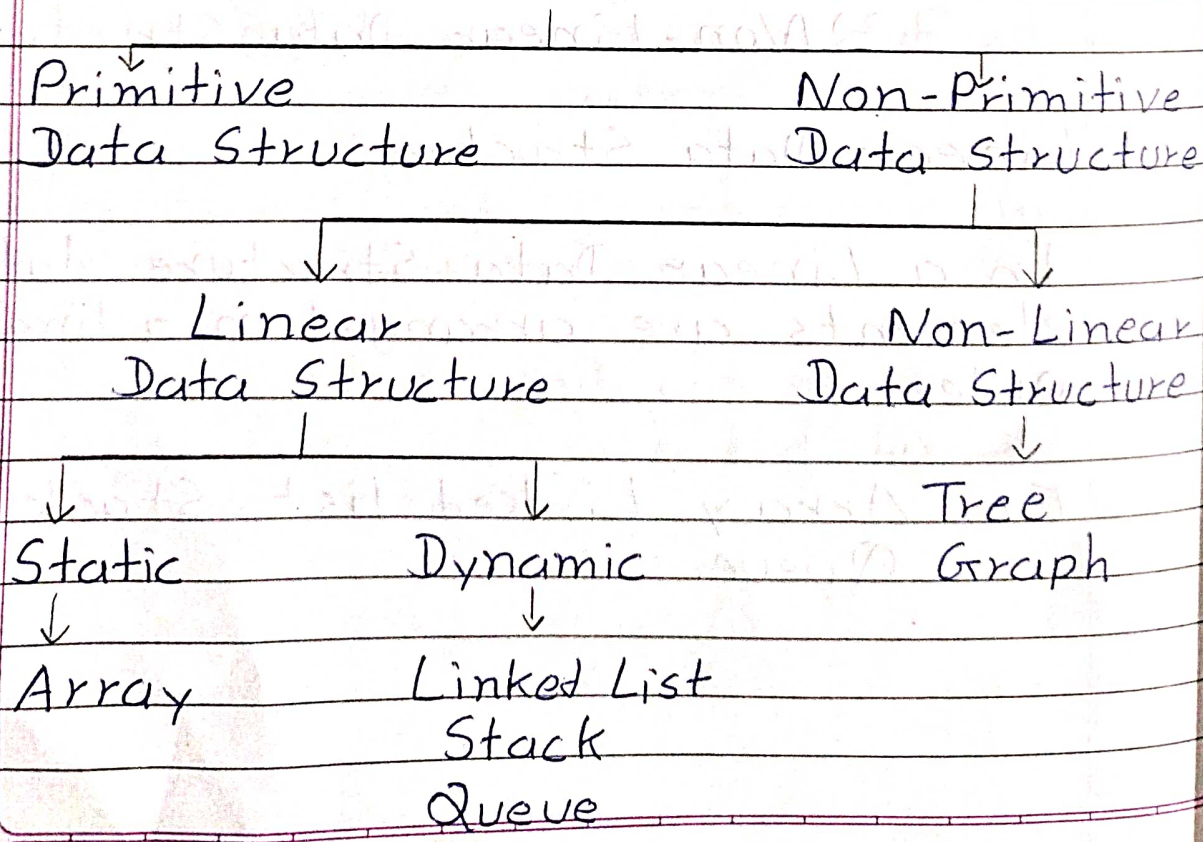
# Introduction

## * Data Structure:

Data Structure is a storage that can use to store and organized the data.

There are two type of Data Structure.

1) Primitive Data Structure
2) Non-Primitive Data Structure



1 Primitive Data Structure:

A Primitive Data Structure can store the value of only one data type.

Ex. int, char, float etc.

2 Non-Primitive Data Structure:

Non-Primitive Data structure is a type of data structure that can store the data of more than one type.

There are two types of Non-Primitive Data Structure.

1) Linear Data Structure
2) Non-Linear Data Structure.

(1) Linear Data Structure:

In a Linear Data Structure, data elements are arranged in a linear order.

Ex. Array, Linked list, Stack, Queue.

(2) Non-Linear Data Structure:

In a Non-Linear Data Structure, data elements are arranged in a hierarchically manner.

Ex. Graph, Tree.

* Data Structure Operations:

There are many type of data Structure Operations.

1 Insertion : Adds an element at the given index.

2 Deletion : Deletes an element at the given index.

3 Traverse : Print all the index elements One by one.

where, index means location of the element