



# Data Structures - Introduction

Keywords/Questions:

Notes:

Data Structure - A collection of values

Data structures are ways to organize our data. This is also a way to hold information.

Every programming question has a tradeoff.

To understand data structures:

- 1) How to Build One
- 2) How to Use it.

Summary:

# Data Structures

- Arrays
- Stacks
- Queues
- Linked Lists
- Trees
- Tries
- Graphs
- Hash Tables

# Algorithms

- Sorting
- Dynamic Programming
- BFS + DFS (Searching)
- Recursion