
 So Data structures → is a **data organization, management and storage format** that **enables efficient access and modification**. → It is also a way in which a Data is stored on a Device.

Data is a **collection** of **numbers, symbol or characters**. Information an **organized collection** of data, that is **arranged meaningfully**.

## #2 Why do we need Data Structures?

- For example in real world application

 Example dictionary, organized yung dictionary since meron syang alphabetical way and then meron din syang mga pages to go to para mas madali hanapin. Dictionary has A - Z so any alphabet lang pag pinahanap sayo yung Zebra you know that you will need to go at the very end of the book. Same concept with Data structures mas easy mo sya mahahanap yung bagay na kelangan mo kapag meron data structures.

- Array/Collections
  - A Data Structures that contains a group of values/variables that can be accessed by using an index. → In most cases their values are of the Same DataType. → They are commonly used to organize data so that it can be easily sorted or searched.
- Programming Application
- The goal of used of Data Structures is to **minimize** that thing na ginagamit natin/software.
- So that we can **Store Data** in a **particular** situation **efficiently** and **use** our **resources** in the **most productive way possible**.