

Abstract Data Type

Abstraction

High level information

Not detailed information

Eg. Project abstract, Driving a car, Buying a car

Data Types

Built-in data types

eg. int, float, char,

User defined or custom data types

eg. struct, class,

data structures like list, stack, trees, etc

Abstract Data Types (ADT)

ADT is a mathematical model for data types where a data type is defined by its behavior from the user point of view, specifically in terms of possible operations that can be performed on it.

<https://youtu.be/92S4zgXN17o>

Eg. List ADT, Stack ADT, Tree ADT,

Simply,

ADT is the mathematical model of Data Structure

Additional eResources

<https://youtu.be/92S4zgXN17o>