Monday, September 9, 2019 5:28 PM



Tackle Complexity:

Math: Organize - Data.

- Collections of objects.

Set. sequence. Function. propositions. relationship.

· Abstract Data type -

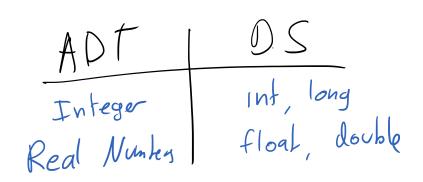
A madematical object togather with operations on that object.

Integer

· Data Structure -

A particular implementation of an Abstract Data Type.

> short int long



Selection of a DS depends on the relevant ADT operations necessary to solve the problem

Ex: "What is the sum of the digits of 100!?"

100! = 100 <u>.</u> 99 . 99 . 97 . 96 . 00 . . . 2

Data Structures building blocks