You need to know what is a Data Type

- has a name
- has a set of values
- a set of operations on values

Data Types

"Atomic data types" values are not decomposable

- integer

Data Structures
- values are decomposable
- values are related

- array of ...
Abstract Types

Abstract

Virtual

Physical

ADT - product of our imagination
- only the essential properties - no details of implementation

Virtual DT - exists on a virtual processor - program lang.

Physics - exists on the machine.

UDTs implement ADT

Physical DTs implement UDTs.