

Fundamentals | Data Types

■ Data Types

- ◆ Memory only stores binary data
 - Anything can be represented in binary
- ◆ Program determines what the binary represents
- ◆ Basic types that are universally useful are provided by the language

Basic Data Types

- ◆ Boolean
 - `true`, `false`
- ◆ Integer
 - `1`, `2`, `50`, `99`, `-2`
- ◆ Double / Float
 - `1.1`, `5.5`, `200.0001`, `2.0`
- ◆ Character
 - `'A'`, `'B'`, `'c'`, `'6'`, `'$'`
- ◆ String
 - `"Hello"`, `"string"`, `"this is a string"`, `"it's 42"`

■ Recap

- ◆ Anything can be represented with binary
- ◆ Basic data types are:
 - boolean, integer, double & float, character, string