

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, 200.00001, 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