Module 10: Boolean Data and Relational Operators

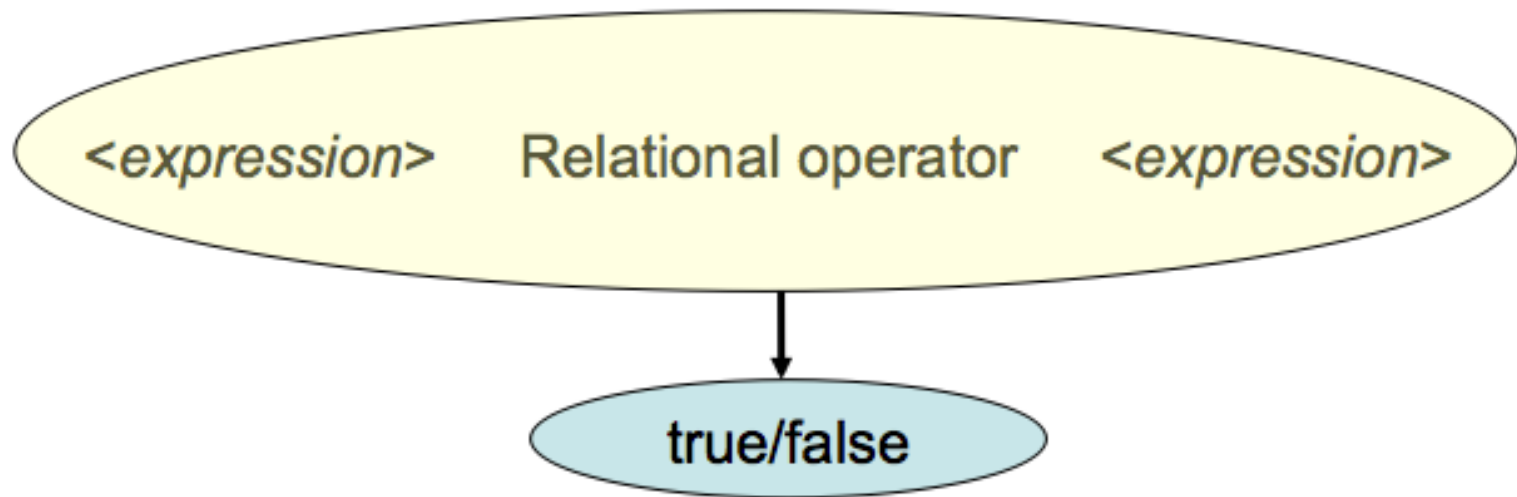*Intro to Computer Science 1 – C++*
Professor Scott Frees

Textbook

This topic is covered in section 3.1 in the textbook

Boolean Data

- *Most data types are familiar:*
  - Integers, Double, Char
- Boolean data is limited to having one of two values: **true** or **false**
- Boolean values are used when making *decisions* in programs

Boolean Expressions

<expression>   Relational operator   <expression>

↓

true/false

Relational Operators

= =	<	>
! =	< =	> =

"Compute" boolean data

```
bool lightsOn = true;

bool computer_is_smart = 5 < 6;

double x = 5.5;
double y = 5.1;
computer_is_smart = x > y;
```