Turn in Homework 3

Variable Scope

CSCI 10 - Santa Clara University - Fall 2016
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Announcements

- First CS event tomorrow (check your email)

- Midterm will be graded by the end of today!

- Homework 2 will be handed back Friday

- Midterm solutions will be posted today

Scope

In computer programming, the scope of a **name binding**, such as a variable, is the part of a computer program where the binding is **valid**: where the name can be used to **refer** to the **entity**

Example 14

- Variables declared in a function are **local** to that functions.

- A function only has access to outside variables if they are passed in as parameters.

Example 15

- We can place variables in global scope, allowing them to be manipulated by all functions, but doing so is generally discouraged.

Example 16

- By default functions in C++ are call-by-value, meaning that a variable only gives a copy of its value to a function

Example 17

- Within a a function we can declare variables which are local to a **block** of code. You can think of a block as something wrapped in {...}.