

Hardware / Software, Type, Variables and Arithmetic

CSCI 10 - Santa Clara University - Fall 2016
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Announcements!

- Homework 1 is up!

Hardware



Central Processing Unit (CPU)



CPU



Cooler

Random-access memory (RAM)



Hard Disk & Solid State Drives



Human Computer Interfaces (HCI)



Software

Operating Systems



Programing

Program:

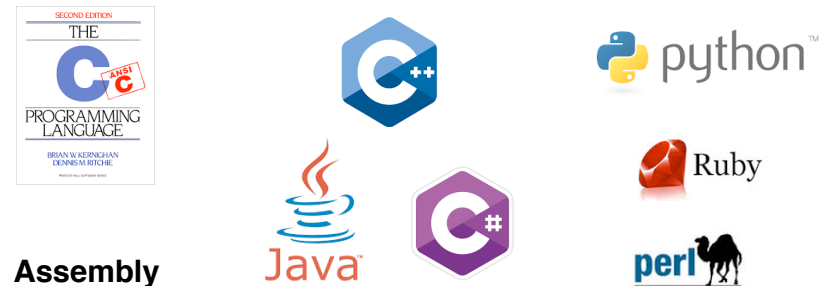
A set of instructions to be executed by the computer

Instructions are not very human readable

Programming language:

A formal languages convertible to CPU instructions, typically with emphasis on human readability

Programming Languages



C++ Programing

Example 01

- Structure of a C++ program
- Types and Variables
- Arithmetic
- Printing
- Code is available on course webpage