Welcome to CS 368-3
Learning a New Programming Language

C++ for Java Programmers

Take a copy of the course information handout.

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TAs: to be determined

Course website: `http://pages.cs.wisc.edu/~cs368-3/`

Course content
- lecture
- textbook
- course website
- piazza

Course work

To receive 1 credit (a grade of CR)

- attend at least 12 of the 15 lectures (must sign attendance sheet)
- achieve a cumulative score of 70% on the assignments
- for each missed lecture beyond 12
  add 5% on to the cumulative score requirement

Lecture Attendance

- make sure to sign the attendance sheet for each lecture

Asssignments

- 5 programs, 1 homework
  - p1, p2, p3, p4 = 20% each
  - p5, hw = 10% each
- collaboration policies:
  - pair programming is allowed on programs
  - homework must be done individually
- late policy:
  - up to 3 days late
  - 3 “free days” automatically applied

Historical Overview

C

C++

Java

Different philosophies & goals:

- C++:
- Java:

Simple C++ program

```
#include <iostream>

using namespace std;



int main( ) {



   cout << "Please enter a number and a letter: " << flush;



   int a;
   char b;


   cin >> a >> b;
   cout << endl;



   cout << "The number you entered was: " << a << endl;
   cout << "The letter you entered was: " << b << endl;



   return 0;
}
```

Simple C++ program (cont.)

To compile:

To run:

Try running the program with the following user inputs:

```
87b

-12h

9 b

43.2a

9    b    abc

y76
```

- What do you think will happen?
- What would happen in the equivalent Java program?
- What actually happens?