

Advanced Programming



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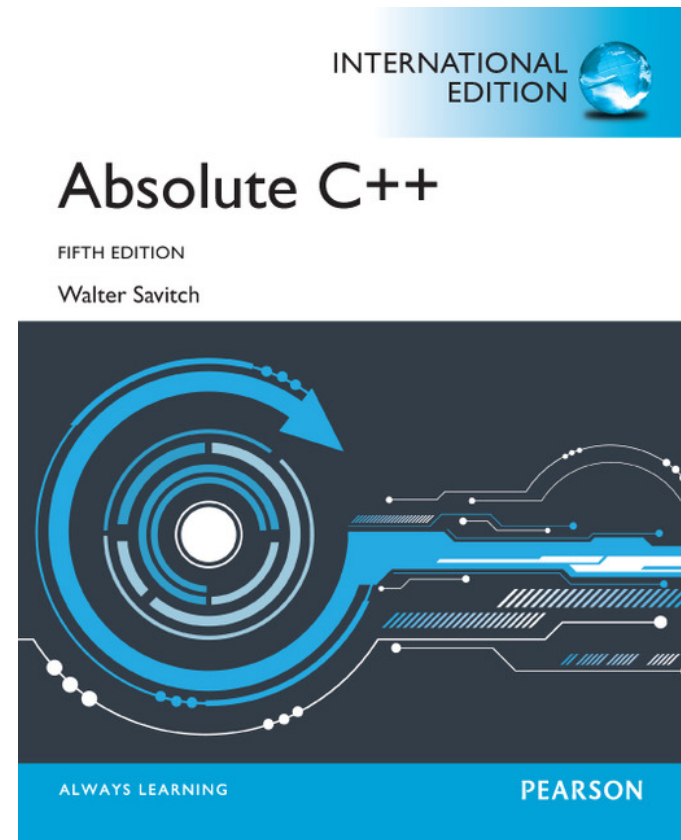
Administration

□ Grading policy

- Exam I, II (30% + 30%)
 - Given in English
- Homework (20%)
 - Several times (simple ones + complex one)
- Term Project (10%)
 - Free subject using C++
 - Each team has 2 ~ 4 students
- Attendance (10%)

□ Textbook

- *Absolute C++*, 5th edition, Savitch, Addison-Wesley, 2012.



Administration

Evaluation on Previous Lectures

- [Click here](#)

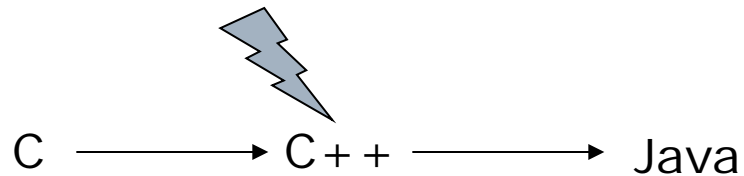
Office Hour

- Tue 2:00~4:00 pm
 - Office: Cham-Bit Building 404, Phone: 940-5212
 - E-mail: yhdfly@kw.ac.kr
 - ***By appointment***
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Topics to be Covered

- C++
 - Object-oriented programming
 - Class
 - Inheritance, polymorphism

- Chapter 1~12, 14~16, (18, 19)



Topics to be Covered

- Flow of control (**review**)
 - Function (**review**)
 - Parameter and overloading (**partially review**)
 - Arrays (**review**)
 - Structures and classes (**partially review**)
 - Constructors
 - Operator overloading, friends, and references
 - Strings (**partially review**)
 - Pointers and Dynamic arrays (**review**)
 - Separate Compilation
 - Namespace
 - Stream and File I/O
 - Inheritance
 - Polymorphism and virtual functions
 - Templates
 - Exception handling**
 - Standard template library (STL)**
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Schedule on Term Project

□ Team Arrangement

- Each team has 2 ~ 4 students
- 2nd week

□ Project Proposal

- Free subject
- Should make a program with console interface using C++
- Submit a PPT file
- 3rd week

□ Progress Report

- Submit a PPT file
- 10th week

□ Final Report

- Submit a PPT file and source codes
 - 15th week
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Simple Program

- Just printing out
 - “Welcome to C++ world!”

```
#include <iostream>
using namespace std;

int main()
{
    cout << "Welcome to C++ world!" << endl;

    return 0;
}
```

- Using *g++* compiler in Linux system
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Question?
