**OOP, SS13, Lab0 Start C++**

**Handed out Sunday, March 22, 2015**

**Hand in via FTP only!**

**Any problem, contact TA**

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**I. Introduction**

In this lab, you should configure environment for C++ and write a tiny C++ program.

**II. Requirements**

You should finish this lab by yourself. Please get the files from the ftp:

[**ftp://10.132.141.33/classes/13/142** 面向对象程序设计(陈辰)**/LAB/Lab0/**](ftp://10.132.141.33/classes/13/142%20面向对象程序设计(陈辰)/LAB/Lab0/)

**1. Part A: Configure Environment**

The first step is configuring the environment for C++. We use g++ complier in this course. You may complete your lab on Ubuntu, which is released in ICS course, Mac or Windows.

**2. Part B: Your fist C++ Program – Translator.cpp**

File *dict.txt* contains a line of characters and the last one is space.

File *result.txt* contains a series of integers. The integers are split by space, and each integer i represents the ith character in dict.txt. eg, “9 20 18 19 ” stands for “just”.

Write a C++ program casts the integers for *result.txt* to text according to *dict.txt*. Your program should has the same action as the given Translator.java.

After finishing the program, please consider and answer the following questions:

1. Describe the similarities and differences of C++ and JAVA.

2. Learn some command of g++

3. Get to know the pre-processor for C++

**III. Handin**

Check in your program files together with **answer.txt.**

Submit your Lab0 “studentID\_name.zip” to the directory

**[ftp://10.132.141.33/classes/13/142](ftp://10.132.141.33/classes/13/142%20面向对象程序设计(陈辰)/WORK_UPLOAD/Lab0/)** [面向对象程序设计(陈辰)](ftp://10.132.141.33/classes/13/142%20面向对象程序设计(陈辰)/WORK_UPLOAD/Lab0/)**[/WORK\_UPLOAD/Lab0/](ftp://10.132.141.33/classes/13/142%20面向对象程序设计(陈辰)/WORK_UPLOAD/Lab0/)**