**OOP, Lab0**

**Handed out 24：00 Sunday, March 14, 2021**

**Any problem, contact TA**

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**I. Introduction**

In this lab, you can use any program language you are familiar with.

**II. Requirements**

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

**1. Part A: Configure Environment**

The first step is configuring the environment for C, C++, Java or Python.

**2. Part B: Your Program – Translator.\***

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 program casts the integers for *result.txt* to text according to *dict.txt*.

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

1. Describe the similarities and differences of program languages.

2. Understand some object-oriented concepts and their meaning, for example, inheritance and polymorphism.

**III. Handin**

Check in your program files, program results and the answer to these questions**.**

Submit your Lab0 “studentID\_name.zip” to elearning.