WAP Programming Examination

Write program(s) for examination 1 or 2 attached, in accordance with the following rules;

Rules

1 - Write program for one examination at least.

　You can write programs for BOTH of two examinations, or you can write program for examination 1 or 2.

2 – Use either Java or C++.

3 – Use attached code skeleton.

　*Do not change package names written in the attached document.

　*Any classes or functions in the skeleton MUST NOT BE changed.

　　(name, variable number, parameters and return value)

　*You can add new classes and/or functions if you need.

4 – English only.

　Use English or derivatives of English for all class names, identifiers, method names, comments, etc…

5 – Do not copy the source code from the other students or from Web sites.*

6 – Do not show your source code to other students or on any Web site.*

* If we find the same source code with the others', we will not accept it.

7 – Submission is allowed only once.

　Test your program(s) by yourself carefully in various cases before submission.

8 -Use UTF-8 file encoding.

9 -Don't use restricted functions such as system().

Environment

<Java>

　Compile and execute in Java7 environment.

　You can use the classes of Java Platform Standard Edition 6/7 API Specification but CAN NOT use other libraries.

<C++>

　Compiler : GCC 4.8.2 or later(The latest version of g++ by apt-get).

　You CAN use only C++ Standard Library. Do not use other libraries.

Dead line :　　In 5 days

Note

*Faster code is better

　Implementation with faster execution will lead to higher scores.

*Comment out the code for comments output and debug when you submit source code.

Online site for pre-verification

You can use our online site for pre-verification before you submit the source code formally.   On this site, you can verify your source code by the following things;
- compile
- the most simple test case.
    URL: http://examchk.worksap.com/
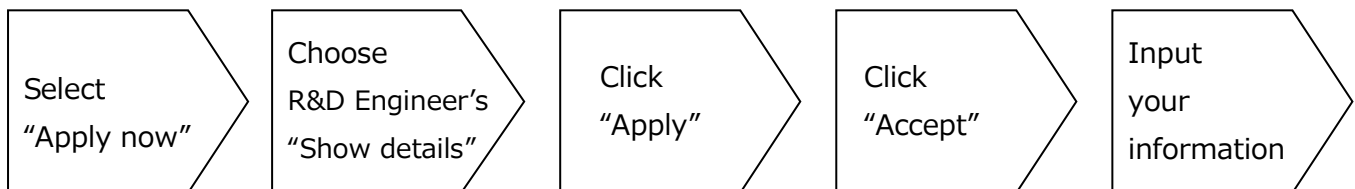   user id: student   /   password: G0Ywxch3

How to submit

Submit your program(s) according to the following procedure.

◆If you have already had your MyPage, please apply through it.

◆If you don't have your MyPage, please take these steps below.
1, Go to http://career.worksap.com/   and select "Apply now" button.

Select "Apply now" > Choose R&D Engineer's "Show details" > Click "Apply" > Click "Accept" > Input your information

2, Input your information as directed, then you will find the upload page of the Programming Examination.
        *When you upload your program, please select which Exam you are going to
         submit and which language you have used.

```
(e.g.1)   In case of choosing Examination1 in C++
---------------------------------------------------------------------------
        Exam1_Java      ×
        Exam1_C++       ○
        Exam2_Java      ×
        Exam2_C++       ×
---------------------------------------------------------------------------

(e.g.2)   In case of choosing Examination2 in Java
---------------------------------------------------------------------------
        Exam1_Java      ×
        Exam1_C++       ×
        Exam2_Java      ○
        Exam1_C++       ×
---------------------------------------------------------------------------

(e.g.3)   In case of writing both examinations, Examination1 in C++ Examination2 in Java
---------------------------------------------------------------------------
        Exam1_Java       ×
        Exam1_C++        ○
        Exam2_Java       ○
        Exam1_C++        ×
---------------------------------------------------------------------------
```

◆ You are supposed to submit a zip file, with folder structure described as below.

```
.
├── Exam1
│   └── Main.cc
└── Exam2
    └── Main.cc
```
OR
```
.
├── Exam1
│   └── Main.java
└── Exam2
    └── Main.java
```

You can choose either C++ or Java to solve each problem.

Next Step : Regarding the interview

If you pass the programming examination, we will interview you including live coding in front of our engineer with your source code for the examination.

We are looking forward to your Submission.