TECHNICAL NOTES

This document contains important information related to the ACM-ICPC World Finals environment. It is important that your team read and understand all the information below.

All Programs :

- Your program must send its output to "standard output". Do not write to any other output destination.

- Your program must read its input from "standard input".

- All program source code files and/or test data files which you create must be located in or beneath your "**home directory**". Your home directory will be named "**/home/teamx**", where "**x**" is your team number. (You may create subdirectories beneath your home directory.)

- If your program exits with a non-zero exit code, the submission will be judged as a Run Time Error.

All C/C++ Programs :

- Use the filename extension "**.cpp**" for C++ program files (extensions **.cc**, **.cxx** and **.c++** can also be used). Use the extension "**.c**" for C program files. Note that all filename extensions are *lower case*.

All Java Programs :

- Your solution **main** class must use the "default package".

Command-line Compilation for C/C++ :

- To compile a C or C++ program from a command line, type the command

  compilegcc   progname.c   (for C programs) or

  compileg++   progname.cpp   (for C++ programs)

  where **progname.c** or **progname.cpp** is the name of your source code file.

  The **compilegcc** command is a script which invokes the GNU GCC compiler with the options:

  -g -O2 -std=gnu99 –static –lm

  The **compileg++** command is a script which invokes the GNU G++ compiler with the options:

  -g -O2 -std=gnu++11 –static

- To execute a C/C++ program after compiling it, type the name of the program file without the filename extension and preceded by the characters "**./**" (for example, "**./a.out**").

Command-line Compilation for Java :

- To compile a Java program from a command line, type the command

    `compilejava    Progname.java`

    where `Progname.java` is the name of your source code file. This will compile the source code in the file `Progname.java`, and will produce a class file named `Progname.class`. The `compilejava` command is a script which invokes the `javac` compiler with the following options:

    `-encoding UTF-8 -sourcepath . -d .`

- To execute a Java program after compiling it, type the command

    `runjava    Progname`

    where `Progname` is the name of the class containing your `main` method (your source code file name without the filename extension). The `runjava` command is a script which invokes the `java` command with the following options:

    `-Xss8m -Xmx1024m`