Homework #0: Test the submission system

Due: Wendnesday 8/31/2022, 11:59 PM

Note 1: This is the only homework that you submit **individually** - even if you work on it with a partner, every student needs to register their account with the try system and submit this homework under their own account name.

Note 2: this homework contributes 1% towards your final grade. Every student needs to register with the `try` system and submit their work. Even if you are working with a partner, you both must register and individually submit your work for this first assignment. (You can individually submit the same file.) This is just to make sure everyone is comfortable with the process of submitting work via `try`. (For future assignments, it will only be necessary for one member of a partnership to submit via try.)

Note 3: the aim of this homework is not to be challenging but to test and get familiar with the submission system. You will use this system for the duration of the semester.

Note 4: for all assignments this term, it is your responsibility to comply with all homework specifications as set by your instructor. In particular, note that all inputs for all programs will come from **standard input**, not from a file, not as program arguments! Also note that the `try` system will not accept Java code that does not compile, and will not accept code with any file name other than the one specified.

Registration

First, you will need to log in to a Linux-based CS lab machine, either locally or remotely (if remotely, ssh into glados.cs.rit.edu or any lab machine). Register in the grading database with the following command, following all instructions carefully:

```
try tc-grd register /dev/null
```

You will only need to register once for the duration of the course. If you accidentally register for the wrong section, please send email to your instructor as soon as possible.

Finally, write some code to the following specification:

Problem 1

Input: A single nonnegative integer, n, not larger than 10,000. Output: A list of all of the prime numbers less than or equal to n, in increasing order, each on its own line. Submit your program with the following command:

```
try tc-grd hmwk0-1 Primes.java
```

or

```
try tc-grd hmwk0-3 primes.cpp
```

Test files:input_1 answer-1 input_2 answer-2

Problem 2

Input: The first line will contain a single positive integer, *n*, not larger than 10,000. Then, n more lines of input will follow, each containing a single integer ($a_1 ... a_n$). You may assume that there are at least two different integers among $a_1 ... a_n$. Output: The first line should output the smallest value among the a values. The second line should output the second smallest value (that is, the smallest value that is larger than the first value). Submit your program with the following command:

```
try tc-grd hmwk0-2 SmallestTwo.java
```

or

```
try tc-grd hmwk0-4 smallesttwo.cpp
```

Test files:input_1 answer-1 input_2 answer-2