
2006 Mid-Atlantic Regional Programming Contest

Practice Round

Welcome to the practice round for Before you start the contest, please be aware of the following notes: the 2006 Programming Contest. Before you start the contest, please be aware of the following notes:

1. There is one (1) practice problem. Please submit solutions or request clarifications **for this problem only**. Unless you have a real question about the problem, please submit at most one clarification request, and at most two runs. It is important that everyone have a chance to see how the system works. Even if you do not solve the practice problem, you should submit once just to practice with the system.
2. After (or even before) completing the practice problem, please read all of the notes listed here. They are designed to help you solve the problems during the contest.
3. All solutions must read from standard input and write to standard output. In C this is `scanf/printf`, in C++ this is `cin/cout`, and in Java this is `System.in/System.out`. The judges will ignore all output sent to standard error. (You may wish to use standard error to output debugging information.) From your workstation you may test your program with an input file by redirecting input from a file:

```
program < file.in
```

4. Solutions for problems submitted for judging are called runs. Each run will be judged.

The judges will respond to your submission with one of the following responses. In the event that more than one response is applicable, the judges may respond with any of the applicable responses.

Response	Explanation
Correct	Your submission has been judged correct.
Wrong Answer	Your submission generated output that is not correct or is incomplete.
Output Format Error	Your submission's output is not in the correct format or is misspelled.
Excessive Output	Your submission generated output in addition to or instead of what is required.
Compilation Error	Your submission failed to compile.
Run-Time Error	Your submission experienced a run-time error.
Time-Limit Exceeded	Your submission did not solve the judges' test data within 30 seconds.

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5. A team's score is based on the number of problems they solve and penalty points, which reflect the amount of time and number of incorrect submissions made before the problem is solved. For each problem solved correctly, penalty points are charged equal to the time at which the problem was solved plus 20 minutes for each incorrect submission. No penalty points are added for problems that are never solved. Teams are ranked first by the number of problems solved and then by the fewest penalty points.
 6. This problem set contains sample input and output for each problem. However, you may be assured that the judges will test your submission against several other more complex datasets, which will not be revealed until after the contest. Your major challenge is designing other input sets for yourself so that you may fully test your program before submitting your run. Should you receive an incorrect judgment, you should consider what other datasets you could design to further evaluate your program.
 7. In the event that you feel a problem statement is ambiguous or incorrect, you may request a clarification. Read the problem carefully before requesting a clarification. If the judges believe that the problem statement is sufficiently clear, you will receive the response, "The problem statement is sufficient; no clarification is necessary." If you receive this response, you should read the problem description more carefully. If you still feel there is an ambiguity, you will have to be more specific or descriptive of the ambiguity you have found. If the problem statement is ambiguous in specifying the correct output for a particular input, please include that input data in the clarification request.

You may not submit clarification request asking for the correct output for inputs that you provide.¹ Sample inputs *may* be useful in explaining the nature of a perceived ambiguity, e.g., "The is no statement about the desired order of outputs. Given the input: . . . , would not both this: . . . and this: . . . be valid outputs?"

If a clarification is issued during the contest, it will be broadcast to all teams.

8. Runs for each particular problem will be judged in the order they are received. However, it is possible that runs for different problems (during the actual contest) may be judged out of order. For example, you may submit a run for B followed by a run for C, but receive the response for C first.

Do not request clarifications on when a response will be returned. If you have not received a response for a run within 30 minutes of submitting it, **you may have a runner ask the site judge to determine the cause of the delay. Under no circumstances should you ever submit a clarification request about a submission for which you have not received a judgment.**

If, due to unforeseen circumstances, judging for one or more problems begins to lag more than 30 minutes behind submissions, a clarification announcement will be issued to all teams. This announcement will include a change to the 30 minute time period that teams are expected to wait before consulting the site judge.

¹Note that is a change to the rules used for this contest in recent years. It brings us into conformance with the practices followed by most other regional contests and in the international final.

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9. The submission of abusive programs or clarification requests to the judges will be considered grounds for immediate disqualification.
 10. All lines of program input and output should end with a newline character (`\n`, `endl`, or `println()`).
 11. Unless otherwise specified, all lines of program output should be left justified, with no leading blank spaces prior to the first non-blank character on that line.
 12. All input sets used by the judges will follow the input format specification found in the problem description.
 13. Unless otherwise specified, all numbers will appear in the input and should be presented in the output beginning with the `-` if negative, followed immediately by 1 or more decimal digits. If it is a real number, then the decimal point appears, followed by any number of decimal digits (for output of real numbers the number of decimal digits will be specified in the problem description as the “precision”). All real numbers printed to a given precision should be rounded to the nearest value.

In simpler terms, neither scientific notation nor commas will be used for numbers, and you should ensure you use a printing technique that rounds to the appropriate precision.

14. Good luck, and HAVE FUN!!!

Practice Problem: Mirror, Mirror

Walking towards his parked car, John was amused to note what appeared to be a string of gibberish painted along the front of an emergency vehicle parked behind him: ECNALUBMA. It was only after he climbed into his own car and glanced into his rear-view mirror that the string suddenly made sense: AMBULANCE.

John belatedly realized that even the individual letters had been reversed, but that he had mentally corrected these without even being aware of doing so. It was the rearrangement of the letters into an appropriate word that had stymied him.

Fascinated with this idea, John would now like to practice his mirror-reading skills. Write a program that accepts input phrases and prints them, reversing the order of the characters.

Input

Input consists of one or more lines, each containing from 1 to 80 printable ASCII characters (alphabetic, numerals, blanks, and punctuation).

End of input is signaled by a line containing only the string “***”.

Output

For each line of input data, your program should print a single line of output containing the same characters as the input line, in reverse order.

Example

Input:

```
AMBULANCE
Evian
madam, i'm adam
***
```

Output:

```
ECNALUBMA
naivE
mada m'i ,madam
```