Monash Collegiate Programming Contest

24th, August, 2019

FQAs

Q: Why I passed all samples, but still get `Wrong Answer (WA)` ?

- There are multiple secret test cases, failing on any of them causes `Wrong Answer`, so you'll have to spot the bug by yourself.

Q: What is `Time Limit Exceeded (TLE)` ?

- Your program runs out of time limit; this error doesn't allow you to know if your program would reach the correct solution to the problem or not.

Q: What is `Memory Limit Exceeded (MLE)` ?

- Your program tried to use more memory than the judge allows.

Q: What is `Runtime Error (RE)`

- Your program failed during the execution (segmentation fault, floating point exception...). The exact cause is not reported to the user to avoid hacking.

Q: There are `Input file: standard input`, `Output file: standard output` in my problem statement, what do these mean? Do I need to create files?

- Reading from standard input (`stdin`) means reading data which you are typing on your keyboard, and outputting to standard output (`stdout`) means printing data to your console. So it's not necessary to create files.

Q: How to read and request clarifications?

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Tips

- Pay attention to `Time limit`, `Memory limit` constraints in your problem statement when you get `Time Limit Exceeded` or `Memory Limit Exceeded` verdict.

- `C++` can nearly run 10^8 basic operations (e.g. `+,-`) in 1 second, `Python` can nearly run 10^6 basic operations in 1 second, and you can esitmate your program running time based on these info and your compexity analysis to avoid `Time Limit Exceeded`.

- Instead of typing on keyboard, a more convenient way for local testing on command line is:

```
python myprogram.py < sample.in > myoutput
diff myoutput sample.out
```

where `<` is redirect all contents of file `sample.in` to `standard input`, and `>` is redirect your `standard output` to the file `myoutput`, and `diff` is to check the difference between your output and the expected answer.

- If you are going to run your script `myscript.sh` on command line, make sure it has execute permission

```
chmod u+x myscript.sh
./myscript.sh
```

otherwise, you may get error message `permission denied:  ./myscript.sh`.

- If your want to run your python script `myscript.py` by `./myscript.py`, make sure you've added following line at the top of your python file

```python
#!/usr/bin/env python

def func():
    ...
```

Good Luck & Have Fun!

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