

CS280 Programming Assignment 0  
Fall 2018  
Due September 19 before midnight

*This assignment is mostly designed to help get you used to the Vocareum system.*

Write a C++ program that loops through all of the command line arguments that are passed to the program, beginning with the argument **after** the program name.

For each argument, examine and then discard its first character. That character will tell you what your program should do with that argument.

If the first character is the letter S, then skip the argument and print nothing for that argument.

If the first character is the letter L then convert every upper case letter in the argument to lower case, and print the resulting argument on a line by itself. If a character is not an upper case letter, then it should be unchanged.

If the first character is the letter U then convert every lower case letter in the argument to upper case, and print the resulting argument on a line by itself. If a character is not a lower case letter, then it should be unchanged.

If the first character is the letter r (lowercase r), print the letters in reverse order.

If the first character is the letter R, print the letters in reverse order while ALSO converting any lower case letters to upper case.

If the first character is not one of the characters mentioned above, then print the word FAIL

Note that it is possible, and valid, for there to be no command line arguments after the first command line argument.

Examples:

```
$ ./prog0 Smile, you people!  
FAIL  
FAIL
```

```
$ ./prog0 LHelp UmY34!$xxx run  
help  
MY34!$XXX  
nu
```