Revers – 10 points

New features – 5 points

You must process files of commands. There are 2 types of commands, a read command, and a reverse command. Both commands operate on a sequence of numbers, from 0 to n.
The read command has the code 1 followed by an index. The command prints the number in the sequence with the given index.
The reverse command has the code 2 followed by two numbers. This command reverses the interval defined by those two numbers.

Example
After processing the following file:

1 7
1 133
2 1 10
1 7
1 133
1 5
2 5 7
1 7

The display will print the following sequence:
7
133
4
6
6

Observation. Your application should be able to process any file as long as the commands contained by it are following the right syntax.