ICPC Assiut University Community

Juniors Phase 1 Training , Do Your Best



HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP ICPC CHALLENGE 🛣

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

A. String Functions

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

Given two numbers N, Q and a string S of size N. Followed by Q lines of the following queries:

- pop_back : remove the last character in the string.
- front : print the first character in the string.
- · back : print the last character in the string.
- sort I ${f r}$: where $(1 \leq l, r \leq |S|)$ sort all characters of S from l to r .
- **reverse I r**: where $(1 \le l, r \le |S|)$ reverse all characters of S from l to r.
- **print pos** : where $(1 \le pos \le |S|)$ print the character in the index pos.
- substr I ${f r}$: where $(1 \leq l, r \leq |S|)$ print sub-string of s from l to r.
- $push_back x$: add character x in the end of the string.

For each query, print the answer associated with it in a single line.

It's guaranteed that in the first 7 types of the query, the string is not empty.

it's recommended to use built-in functions of String.

Input

The first line contains two integers N, Q ($1 \le N$, $Q \le 10^3$) N denoting the size of the string and Q number of queries.

The second line contains the string S consists of only **lowercase** English letters.

Next Q lines contain the queries.

Output

For each query, print the answer associated with it in a single line.

Example



<u>ICPC Assiut University Training -</u> <u>Standard - Juniors Phase 1</u>

Public

Participant



→ **Group Contests**



- Standard #4 (Binary search , two pointers)
- Standard #3 (set , sorting, compare function , map)
- Standard #2 (binary search, stack, queue, deque, priority queue)
- Standard #1 (Frequency, prefix sum, vector, pair, struct)

Standard #2 (binary search , stack , queue, deque , priority queue)

Finished

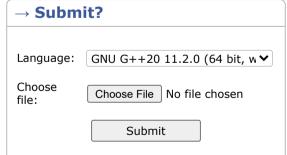
Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest



→ Last submissions		
Submission	Time	Verdict
226483185	Oct/03/2023 20:50	Accepted
226483062	Oct/03/2023 20:49	Accepted