

1. Given a string 'S', sort the characters based on the frequency(highest and lowest) and print the resultant string.(Note:If the frequency of different character is same then sort based on alphabetical order).

Input Size : $1 \leq S \leq 100000$

Sample Testcases :

INPUT:-

aabbba

OUTPUT:-

Aaabbb

2.Given two strings S1 and S2,display 'yes' if given two strings are complementary otherwise display 'no'. If we join alphabets of both the strings we should get all 26 capital letters exactly once, then only we can call them as complementary.

Sample Testcase :

INPUT

ABDCFGIJKLMNOPQUVWXYZ

EHRST

OUTPUT

yes

3..Given a string, print the run-length encoded output.

Input Size : $N \leq 100000$

Sample Testcase :

INPUT

aaab

OUTPUT

A3b1

4..Given 2 arrays print 'yes' if they are mirror images of each other,otherwise 'no'.

Input Size : $N \leq 1000000$

Sample Testcase :

INPUT

4

1 2 3 4

4 3 2 1

OUTPUT

yes

5.You are provided with a string 's'. Your task is to reverse the string using stack Data Structure.

Input Description:

You are given a string 's'.

Output Description:

Print the reverse string

Sample Input :

i am jsb

Sample Output :

jsb am i