

## **First Non-Repeating Letter**

Given a string, your task is to find first non repeating character at each index otherwise return 0.

Input Format

In the function a vector of character is passed.

NOTE : it will contain only lowercase characters .

Output Format

Return a vector of character.

Sample Input

a a b c

Sample Output

a 0 b b

Explanation

at index 0 : 'a' is the first non repeating character until this index.at index 1 : as 'a' has come once before and there is no other unique character until this index therefore '0' will be the answer at index 2 : 'b' is the first non repeating character until this index.at index 3 : 'b' is the first non repeating character until this index.

**Solution:** firstNonRepChar.cpp

## **Interleave two halves of a queue**

Given a queue of integers of even length, rearrange the elements by interleaving the first half of the queue with the second half of the queue.

Input Format

In the function an integer queue passed.

Output Format

Return the interleaved queue .

Sample Input

11 12 13 14 15 16 17 18 19 20

Sample Output

11 16 12 17 13 18 14 19 15 20

**Solution:** interleave.cpp