JavaScript String Questions

Q1. Count Characters

You are given a string S, and your task is to return an array B(having a size of 2), where $B[0]$ contains the count of character **A** (uppercase) in string S and $B[1]$ contains the count of character **D** (uppercase) in string S.
Note: You have to complete **countCharacters function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S.

Output Format

Return array B as output.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains both lowercase and uppercase alphabets.

Example

Sample Input
AbaDd
Sample Output
1 1

Q2. Count the Heads

Tina is given a string S which contains the first letter of all the student names in her class. She got a curiosity to check how many people have their names starting from the same alphabet. So given a string S, she decided to write a code that finds out the count of characters that occur more than once in the string.
Note: You have to complete **Count Head function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S (with no space and contains only lowercase letters).

Output Format

Return updated String S as output, where the string contains the charcter followed by their occurrence (if greater than 1) in alphabetical order.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains only lowercase alphabets.

Example

Sample Input
prepbytes
Sample Output
e2p2

Q3. Count the Vowels

You are given a string S containing both uppercase and lowercase letters. You need to find out the number of vowels in the given string.
Note: You have to complete **Count_Vowel function**. No need to take any input.

Input Format

The first and only line of the input contains string S.

Output Format

Return the number of Vowels in the string S as output.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S.

Example

Sample Input
Prepbytes
Sample Output
2

Q4. Concatenate the Strings

You are given two strings $S1$ and $S2$ (containing both uppercase and lowercase letters), You need to retrun a string which is the concatenation of both the given strings.
Note: You have to complete **Concatenate_Strings function**. No need to take any input.

Input Format

The first line of the input contains the first string $S1$ and the second line of input contains the second string $S2$.

Output Format

Return the String $S3$ as output, which is the concatenation of given both strings.

Constraints

$1 \leq |S1|, |S2| \leq 100$, where $|S|$denotes the length of string S.

Example

Sample Input
Prep bytes
Sample Output
Prepbytes

Q5. Find Length

You are given a string S, and your task is to return the length of the string S.
Note: You have to solve it without using **length** method. You have to complete **findLength function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S.

Output Format

Return the length of the string S.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains both lowercase and uppercase alphabets.

Example

Sample Input
CeDqe
Sample Output
5

Q6. Find the Winner

You are given a string S consisting of two letters A and D, where each character represent the winner of N games played between Aditya and Danish, where letter A represents the win of Aditya and letter D represents the win of Danish. You need to find out the that which player wins the maximum number of games or there is a draw between them.
Note: You have to complete **Game_Winner function**. No need to take any input.

Input Format

The first and only line of the input contains string S.

Output Format

Return the name of the player who have won the maximum number of games, if both player won same number of games return Draw.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S.

Example

Sample Input 1
ADDAAADDDDD
Sample Output 1
Danish
Sample Input 2
ADDAAADD
Sample Output 2
Draw

Q7. Join Strings

You are given two strings S and P, and your task is to concatenate them and return the concatenated string.
Note: You have to complete **joinStrings function**. No need to take any input.

Input Format

The first and the only line of the input contains two space-separated strings S and P.

Output Format

Return the final concatenated string.

Constraints

$1 \leq |S|, |P| \leq 100$, where $|S|$ and $|P|$ denote the length of string S and P, respectively. S and P contain both lowercase and uppercase alphabets.

Example

Q8. Plaindrome Check

You are given a string S, Your task is to check wether the given string is a Palindrome or not.
A Palindrome is a string, which turnout same when read in reverse direction. Example: "naman" is a Palindrome. String can contain both upppercase lowercase letters.
Note: You have to complete **Plain_Check function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S.

Output Format

Return "True" if the given string is Palindrome else return "False" (without " ") .

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains both lowercase and uppercase alphabets.

Example

Sample Input 1
Naman
Sample Output 1
False
Sample Input 2
naman
Sample Output 2
True

Q9. Reverse the String

You are given a string S, Your task is to Reverse the string. String can contain both upppercase lowercase letters. **Note**: You have to complete **Reverse_String function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S.

Output Format

Return the reversed String.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains both lowercase and uppercase alphabets.

Example

Sample Input
I am utkarsh raj
Sample Output

Q10. Match the Strings

You are given two strings $S1$ and $S2$, Your task is to print YES if both strings are same else print NO.
Note: You have to complete **String_Match function**. No need to take any input.

Input Format

The first line of the input contains a string $S1$. The second line of the input contains a string $S2$.

Output Format

Return YES if $S1$ and $S2$ are same, else return NO.

Constraints

$1 \leq |S1|, |S2| \leq 100$, where $|S|$ denotes the length of string S. $S1$ and $S2$ contains both lowercase and uppercase alphabets.

Example

Sample Input
Prepbytes Prepbytes
Sample Output
YES

Q11. String Replace

You are given a string S, along with a pattern string and a text string. You need to repalce the pattern string in S to the text string.
Note: You have to complete **Replace function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S.

Output Format

Return updated String S as output.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains both lowercase and uppercase alphabets.

Example

Sample Input
Hi, I am You. You Prepbytes
Sample Output
Hi, I am Prepbytes.

Q12. Split the String

You are given a string S, Your task is to split the string with respect to spaces.
Note: You have to complete **Split_the_String function**. No need to take any input.

Input Format

The first and the only line of the input contains a string S.

Output Format

Return the array of splitted strings of S.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S. S contains both lowercase and uppercase alphabets.

Example

Sample Input
I am utkarsh raj
Sample Output
I
am
utkarsh
raj

Q13. Count the Vowels and Consonants

You are given a string S containing both uppercase and lowercase letters. You need to find out the number of vowels and the number of consonants in the given string.
Note: You have to complete **Count_Vowels function** and **Count_Consonants function**. No need to take any input.

Input Format

The first and only line of the input contains string S.

Output Format

Return the number of Vowels and the number of Consonants in the string S in the functions.

Constraints

$1 \leq |S| \leq 100$, where $|S|$ denotes the length of string S.

Example

Sample Input
Prepbytes
Sample Output
2 7