1. Given a string S(input consisting) of ‘\*’ and ‘#’. The length of the string is variable. The task is to find the minimum number of ‘\*’ or ‘#’ to make it a valid string. The string is considered valid if the number of ‘\*’ and ‘#’ are equal. The ‘\*’ and ‘#’ can be at any position in the string.  
   **Note :** The output will be a positive or negative integer based on number of ‘\*’ and ‘#’ in the input string.

* (\*>#): positive integer
* (#>\*): negative integer
* (#=\*): 0

**Example 1:  
Input 1:**

* ###\*\*\*   -> Value of S

**Output :**

* 0   → number of \* and # are equal

1. Write a program to create a histogram by taking the input from an array

**Sample Input:**

Enter the value of N: 5

Enter the value: 5

Enter the value: 3

Enter the value: 2

Enter the value: 7

Enter the value: 4

Enter the symbol to draw the histogram: $

**Sample Output:**

$$$$$

SSS

$$

$$$$$$$

$$$$

1. Given below is the list of marks obtained by 25 students in an entrance test.

75 85 45 79 98 88 78 67 98 97 67 50 99 100 89 80 59 78 78 40 99 98 95 67 85.

The test was conducted for a total of 100 marks. Write a program to count the number of students belonging to each of the following grades:

Grades Calculation: A 90 -100

B 80 - 89

C 70 - 79

D 60 – 70

E 50 – 69

F < 50

**Input Data**

75 85 45 79 98 88 78 67 98 97 67 50 99 100 89 80 59 78 78 40 99 98 95 67 85

**Output**

GRADE RANGE NO OF STUDENTS

A 90 -100 8

B 80 – 89 5

C 70 – 79 5

D 60 – 70 2

E 50 – 69 3

F < 50 2

1. It is planned to conduct an entrance test for a group of students. It contains 10 questions of Multiple Choice Format type.

Note: The correct choices for those 10 questions are as follows:

aabbcdacba

Get the input responses of the student and calculate the score of the student

**Sample Input:**

Input responses of student 1:

aabbcdacba

**Sample Output:**

Score is 10 out of 10

Response to the following items are wrong:

NIL

**Sample Input:**

Input responses of student 1:

aaaaadacba

**Sample Output:**

Score is 7 out of 10

Response to the following items are wrong:

3 4 5

1. Ram has given Raja two strings String1 and String2. Raja has to derive a new string String3 from String1, by deleting elements from String1, such that String3 does not contain any element of String2. Raja needs help to do this task. He wants a program to help him in carrying out this task.

Given strings String1 and String2 as input, give string String3 as Output.

Example 1:

**Input**  
lion -> input String1

li -> input String2

**Output**  
on -> output String3

**Explanation:**  
After removing “t” and “i” from “tiger”, we are left with “ger”.  
So, the answer is “ger”.