(NOTE: FOR EVERYQUESTION YOU NEED TO WRITE A CODE THAT ASLO TAKES THE INPUT)

1.Print the pattern for different test cases

N=4 N=5

\*##\* \*\*#\*\*

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2. Given Two Array where First Array have some elements and second array consist of indices, Find the sum of all element from Array1, and subtract all the indices value present in array2.

EX: Arr1 = [10,20,30,40,50] Arr2 = [0,2]

OUTPUT SUM = 10+20+30+40+50 - (10-30) = 110

3. Take input of a 2-D array. Find the sum of all element present at column 1 and 2.

Hint: Take input for N,M and an Array A[N][M]

EX= Arr[4][3] = [[1,2,3], [10,20,30],[12,15,18],[5,15,25]]

OUTPUT = 1+ 2 +10+20+12+15+5+15 = 80

4. Take input for a number N and then input of a char array whose length is N, convert it into a String such that no two consecutive same letters occur together

EX: arr= ['B','R','O','C', 'O','D','E'] N=8

OUTPUT:BROCODE

arr = ['H','E','L','L','L','O'] N=6

OUTPUT:HELO

5. Take input of a sentence and PRINT the Length of Middle word in the sentence and if they are two middle elements than print the one which has maximum length.

EX: "WELCOME TO CODECHEF EVENT" OUTPUT: 8

6. Write a function that takes a string and returns a new string with all the vowels removed.

EX: "WELCOME TO OUR EVENT" OUTPUT: "WLCM T R VNT"

7. Given a list of integers, write a function to find the second largest number without using in built functions.

Arr1= [10,20,30,40,32,76,32,99] OUTPUT = 76

8. Bheem has N friends. And he has a ladoo for each day. Given an Array A[] denoting on which day ith friend wants a ladoo. If Bheem is unable to give a ladoo to a friend, he loses his friendship with them. Find out the maximum number of Friends he can have at the end.

N = 5 A[] = {3, 3, 1, 2, 4}

Output: 4 {As he is unable to give a ladoo to friend 5}

9. Given an array and N denoting number of elements, rotate the array by one position in clock-wise direction.

A [] = {1, 2, 3, 4, 5} N=5

OUTPUT: 5 1 2 3 4

A [] = {9, 8, 7, 6, 4, 2, 1, 3} N=8

OUTPUT: 3 9 8 7 6 4 2 1

10. Given an array A of size N of integers. Your task is to find the sum of minimum and maximum element in the array.

A [] = {-2, 1, -4, 5, 3} N=5

OUTPUT = -4+5=1

A [] = {1, 3, 4, 1} N=4

OUTPUT = 1+4 = 5

11.You have a Budget of B rupees and you want to buy a Laptop. You cannot buy a Laptop whose price is greater than B, and you also want your laptop Screen to be as big as possible.

The first line of input contains number of Test Cases denoted by T

The first line of each test case contains N,B denoting Number of phones you Searched and Budget

The N lines contains values W, H,P denoting Width, Length and Price of Laptop

Return the Size of screen which you should buy and if not possible return -1

Example:

2  
3 6  
3 4 4  
5 5 7  
5 2 5  
2 6  
3 6 8  
5 4 9

Output:

12

-1