Q:-1

**Power**

Send Feedback

Write a program to find x to the power n (i.e. x^n). Take x and n from the user. You need to return the answer.

Do this recursively.

**Input format :**

Two integers x and n (separated by space)

**Output Format :**

x^n (i.e. x raise to the power n)

**Constraints :**

1 <= x <= 30

0 <= n <= 30

**Sample Input 1 :**

3 4

**Sample Output 1 :**

81

**Sample Input 2 :**

2 5

**Sample Output 2 :**

32

Q-:2

**Print Numbers**

Send Feedback

Given the code to print number from 1 to n in increasing order recursively. But it contains few bugs, that you need to rectify such that all the test cases should pass.

**Input Format :**

Integer n

**Output Format :**

Numbers from 1 to n (separated by space)

**Constraints :**

1 <= n <= 10000

**Sample Input :**

6

**Sample Output :**

1 2 3 4 5 6

Q:-3

**Number of Digits**

Send Feedback

Given the code to find out and return the number of digits present in a number recursively. But it contains few bugs, that you need to rectify such that all the test cases should pass.

**Input Format :**

Integer n

**Output Format :**

Count of digits

**Constraints :**

1 <= n <= 10^6

**Sample Input :**

156

**Sample Output :**

3

Q-:4

**Sum of Array**

Send Feedback

Given an array of length N, you need to find and return the sum of all elements of the array.

Do this recursively.

**Input Format :**

Line 1 : An Integer N i.e. size of array

Line 2 : N integers which are elements of the array, separated by spaces

**Output Format :**

Sum

**Constraints :**

1 <= N <= 10^3

**Sample Input :**

3

9 8 9

**Sample Output :**

26

Q-:5

**Check Number**

Send Feedback

Given an array of length N and an integer x, you need to find if x is present in the array or not. Return true or false.

Do this recursively.

**Input Format :**

Line 1 : An Integer N i.e. size of array

Line 2 : N integers which are elements of the array, separated by spaces

Line 3 : Integer x

**Output Format :**

true or false

**Constraints :**

1 <= N <= 10^3

**Sample Input :**

3

9 8 10

8

**Sample Output :**

true

Q:-6

**First Index of Number**

Send Feedback

Given an array of length N and an integer x, you need to find and return the first index of integer x present in the array. Return -1 if it is not present in the array.

First index means, the index of first occurrence of x in the input array.

Do this recursively. Indexing in the array starts from 0.

**Input Format :**

Line 1 : An Integer N i.e. size of array

Line 2 : N integers which are elements of the array, separated by spaces

Line 3 : Integer x

**Output Format :**

first index or -1

**Constraints :**

1 <= N <= 10^3

**Sample Input :**

4

9 8 10 8

8

**Sample Output :**

1

Q:-7

**Last Index of Number**

Send Feedback

Given an array of length N and an integer x, you need to find and return the last index of integer x present in the array. Return -1 if it is not present in the array.

Last index means - if x is present multiple times in the array, return the index at which x comes last in the array.

You should start traversing your array from 0, not from (N - 1).

Do this recursively. Indexing in the array starts from 0.

**Input Format :**

Line 1 : An Integer N i.e. size of array

Line 2 : N integers which are elements of the array, separated by spaces

Line 3 : Integer x

**Output Format :**

last index or -1

**Constraints :**

1 <= N <= 10^3

**Sample Input :**

4

9 8 10 8

8

**Sample Output :**

3

Q:-8

**All Indices of Number**

Send Feedback

Given an array of length N and an integer x, you need to find all the indexes where x is present in the input array. Save all the indexes in an array (in increasing order).

Do this recursively. Indexing in the array starts from 0.

**Input Format :**

Line 1 : An Integer N i.e. size of array

Line 2 : N integers which are elements of the array, separated by spaces

Line 3 : Integer x

**Output Format :**

indexes where x is present in the array (separated by space)

**Constraints :**

1 <= N <= 10^3

**Sample Input :**

5

9 8 10 8 8

8

**Sample Output :**

1 3 4