**SORTED ARRAY**

Take as input ****N****, the size of an integer array. Take one more input, which is a list of ****N**** integers separated by a space, and store that in an array. Write a recursive function which prints ****true**** if the array is sorted, and ****false**** otherwise.

**Input Format:**

N x y z

**Constraints:**

1 < N < 1000  
-10^9 < i < 10^9, where i is an element of the array

**Output Format**

true OR false

**Sample Input**

5

1 2 3 4 5

**Sample Output**

true

Program -

#include <iostream>

using namespace std;

bool issorted(int a[],int n)

{

if(n==1)

return true;

if(a[0]<=a[1] && issorted(a+1,n-1))

return true;

return false;

}

int main()

{

int n;

cin>>n;

int a[n];

for(int i=0;i<n;i++)

cin>>a[i];

if(issorted(a,n))

cout<<"true"<<endl;

else

cout<<"false"<<endl;

}