**Check if Array is Sorted**

Given an array of size **n**, write a program to check if it is sorted in ascending order or not. Equal values are allowed in an array and two consecutive equal values are considered sorted.

**Examples:**

Input : 20 21 45 89 89 90

Output : Yes

Input : 20 20 45 89 89 90

Output : Yes

Input : 20 20 78 98 99 97

Output : No

C++

#include<iostream>

using namespace std;

bool sorted(int a[], int n)

{

for(int i = 1; i < n; i++)

{

if(a[i] < a[i-1])

{

return false; }

}

return true;

}

int main()

{

int n;

cin >> n;

int a[n];

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

{

cin >> a[i] ;

}

if(sorted(a,n))

{

cout << "Sorted \n";

}

else

{

cout << "Not Sorted \n";

}

return 0; }

**INPUT :**

**3**

**123**

**OUTPUT :**

**Sorted**