

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

```
#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 :

3123

OUTPUT :

Sorted