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Roll Number: SYCOC303

Division: C

PRN Number: 122B2B303

Batch: C4

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Problem Statement:

Write a C++ program to sort N names in Alphabetical Order.

Input Format

enter number of names to be added: 5 enter names: rahul virat vijay bumrah rahane

Constraints

name cannot be NULL

Output Format

before sorting printing rahul virat vijay bumrah rahane

after alphabetical sorting printing bumrah rahane rahul vijay virat

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INPUT:

```
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;

int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    int n;
```


```
string temp;
cout<<"\nEnter number of names to be added:";
cin>>n;
string arr[n];
cout<<"\nEnter names:";
for(int i=0;i<n;i++)
{
    cin>>arr[i];
}
cout<<"\nbefore sorting printing ..... ";
for(int i=0;i<n;i++)
{
    cout<<arr[i]<<" ";
}

//sorting logic..
for(int i=0;i<n;i++)
{
    for(int j=i+1;j<n;j++)
    {
        if(arr[i]>arr[j])
        {
            //swapping
            temp=arr[i];
            arr[i]=arr[j];
            arr[j]=temp;
        }
    }
}

cout<<"\nafter sorting printing ..... ";
for(int i=0;i<n;i++)
{
    cout<<arr[i]<<" ";
}
```

```
}  
return 0;  
}
```

OUTPUT:

 Upload Code as File

☒ Test against custom input

Run Code

Submit Code

5
rahul virat vijay
bumrah rahane

Custom Testcase ⓘ

Compilation Successful

Input (stdin)

5
rahul virat vijay bumrah rahane

Your Output

Enter number of names to be added:
Enter names:
before sorting printing rahul virat vijay bumrah rahane
after sorting printing bumrah rahane rahul vijay virat