

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
struct Student {
```

```
    int rollNo;
```

```
    string name;
```

```
    float sgpa;
```

```
};
```

```
void bubbleSort(Student students[], int n) {
```

```
    for (int i = 0; i < n - 1; ++i) {
```

```
        for (int j = 0; j < n - i - 1; ++j) {
```

```
            if (students[j].rollNo > students[j + 1].rollNo) {
```

```
                Student temp = students[j];
```

```
                students[j] = students[j + 1];
```

```
                students[j + 1] = temp;
```

```
}
```

```
}
```

```
}
```

```
}
```

```
void displayStudents(Student students[], int n) {
```

```
    cout << "\nRoll Call List:\n";
```

```
    cout << "Roll No\tName\t\tSGPA\n";
```

```
    cout << "\n";
```

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

```
        cout << students[i].rollNo << "\t" << students[i].name << "\t\t" << students[i].sgpa << "\n";
```

```
    }
```

```
}
```

```
int main() {
```

```
    int n;
```

```
    int i;
```

```
cout << "Enter the number of students: ";
```

```
cin >> n;
```

```
Student students[n];
```

```
for (i = 0; i < n; ++i) {
```

```
cout << "\nEnter details for student :\n";
```

```
cout << "Roll No: ";
```

```
cin >> students[i].rollNo;
```

```
cin.ignore();
```

```
cout << "Name: ";
```

```
getline(cin, students[i].name);
```

```
cout << "SGPA: ";
```

```
cin >> students[i].sgpa;
```

```
}
```

```
bubbleSort(students, n);
```

```
displayStudents(students, n);
```

```
return 0;
```

```
}
```