

```
#include<iostream>

using namespace std;

struct Student
{
    int rollNo;
    string name;
    float sgpa;
};

void insertionSort(Student arr[], int n)
{
    for (int i = 1; i < n; i++)
    {
        Student key = arr[i];
        int j = i - 1;

        while (j >= 0 && arr[j].rollNo > key.rollNo)
        {
            arr[j + 1] = arr[j];
            j = j - 1;
        }
        arr[j + 1] = key;
    }
}

void printList(Student arr[], int n)
{
    cout << "Roll No\tName\tSGPA" << endl;
```

```
for (int i = 0; i < n; i++)  
{  
    cout << arr[i].rollNo << "\t" << arr[i].name << "\t" << arr[i].sgpa << endl;  
}  
}
```

```
int main() {  
    const int n = 15;  
    Student students[n] =  
    {  
        {20, "Digvijay", 8.1}, {38, "Pritesh", 7.5}, {21, "Amrita", 8.9},  
        {37, "Prem", 6.8}, {22, "Joel", 7.2}, {36, "Tushar", 8.3},  
        {23, "Dhanashree", 7.8}, {35, "Shashwati", 7.0}, {24, "Shivam", 6.5},  
        {34, "Yadnesh", 8.6}, {25, "Rajvardhan", 7.9}, {33, "Mihir", 8.0},  
        {26, "Prathmesh", 6.9}, {31, "Ajim", 8.5}, {27, "Anushka", 7.6}  
    };  
  
    cout << "Original Roll Call List:\n";  
    printList(students, n);  
  
    insertionSort(students, n);  
  
    cout << "\nSorted Roll Call List (Ascending Order of Roll No):\n";  
    printList(students, n);  
  
    return 0;  
}
```