

Define a structure Student which contains the rollno, name and marks in 3 subjects and total marks of the student. Create an array of student structure and input the details(rollno, name and marks) of N students into the array and display the details of the student who scored the 2nd highest total marks.

```
//Structure Definition
struct Student{
    int rollno;
    char name[10];
    float marks[3];
    float total;
};

void main()
{
    Student s[100]; //Array of structures
    int n;

    clrscr();
    cout<<"Enter the no. of Students : ";
    cin>>n;

    cout<<"Enter Student Details : ";
    for(i=0;i<n;i++)
    {
        cin>>s[i].rollno;
        cin>>s[i].name;
        s[i].total = 0; //Find the total marks
        for(j=0;j<3;j++)
        {
            cin>>s[i].marks[j];
            s[i].total +=s[i].marks[j];
        }
    }
}
```

```

cout<<"student details "<<endl;
for(i=0;i<n;i++)
{
    cout<<endl<<s[i].rollno<<s[i].name<<" ";
    for(j=0;j<3;j++)
        cout<<s[i].marks[j]<<" ";
    cout<<s[i].total;
}

//sort the array based on total
for(i=0;i<n-1;i++)
    for(j=0;j<n-i-1;j++)
    {
        If (s[j].total < s[j+1].total)
        {
            Student temp; //temporary struct variable
            temp=s[j]; //struct assignment
            s[j]=s[j+1];
            s[j+1]=temp;
        }
    }

cout<<endl<<"Details of 2nd highest Student: "
cout<<s[1].name<<s[1].roll<<s[1].name<<s[1].total;
}

```