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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Problem Solving Through Programming In C (course)



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Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 12 : Programming Assignment 2

Due on 2023-10-19, 23:59 IST

Write a C program to print the Record of the Student Merit wise. Here a structure variable is defined which contains student rollno, name and score.

Your last recorded submission was on 2023-10-11, 13:35 IST

Select the Language for this assignment. C ▾

```
1 #include<stdio.h>
2 struct student
3 {
4     int rollno;
5     char name[20];
6     int score;
7 };
8 void main()
9 {
10     struct student s[20];
11     int i, n;
12
13     scanf("%d", &n); //No. of Students taken from test data
14     // Roll no., Name and Score of n students are taken from test data
15     for(i=0;i<n;i++)
16     {
17         scanf("%d", &s[i].rollno);
18         scanf("%s", s[i].name);
19         scanf("%d", &s[i].score);
20     }
21     //Complete the program so that merit list is printed in descending order
22     struct student temp;
23     int j;
24     for(i=0;i<n-1;i++)
25     {
26         for(j=0;j<n-1;j++)
27         {
28             if(s[j].score<s[j+1].score)
29             {
30                 temp=s[j];
31                 s[j]=s[j+1];
32                 s[j+1]=temp;
33             }
34         }
35     }
```

Week 8 ()**Week 9 ()****Week 10 ()****Week 11 ()****Week 12 ()****DOWNLOAD
VIDEOS ()****Books ()****Text
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Solving
Session -
July 2023 ()**

```

0 printf("The Merit List is :\n");
1 for(i=0;i<n;i++)
2 {
3 printf("%d", s[i].rollno);
4 printf("  %s", s[i].name);
5 printf("  %d\n", s[i].score);
6 }
7
8 }

```

You may submit any number of times before the due date. The final submission will be considered for grading.

This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

Save as Draft**Compile & Run****Submit****Reset****Sample Test Cases**

	Input	Output
Test Case 1	3 1 Santanu 700 2 Aparna 550 3 Vivek 900	The Merit List is : 3 Vivek 900 1 Santanu 700 2 Aparna 550