

Section: Week-14-Structures and Unions

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REC-CIS MANISHA M 2024-CSE M2

Week-14-Structures and Unions

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Week-14-Structures and Unions

◀ Assessment-13-Passing Arrays and Strings to Functions ▶ Week-15-Pointers

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ogramming Using C-2024

Attempts allowed: 4

This quiz has been configured so that students may only attempt it using the Safe Exam Browser.

Time limit: 1 hour 30 mins

4

Grading method: Highest grade



Your attempts

Attempt 1

Status Finished

Started Friday, 17 January 2025, 1:47 AM

Completed Friday, 17 January 2025, 2:00 AM

Duration 13 mins 36 secs

Review

The Safe Exam Browser keys could not be validated. Check that you're using Safe Exam Browser with the correct configuration file.

Launch Safe Exam Browser

Download configuration

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Answer: (penalty regime: 0 %)

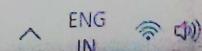
```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     for(int i=0;i<n;i++)
7     {
8         int l,w,h;
9         scanf("%d %d %d",&l,&w,&h);
10        if(h<41)
11        {
12            int v =l*h*w;
13            printf("%d\n",v);
14        }
15    }
16 }
```

	Input	Expected	Got	
✓	4	125	125	✓
	5 5 5	80	80	
	1 2 40			
	10 5 41			
	7 2 42			

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<math.h>
3 #include<stdlib.h>
4 typedef struct
5 {
6     double ar;
7     int a,b,c;
8 }
9 Triangle;
10 double cal(int a,int b,int c)
11 {
12     double p=(a+b+c)/2.0;
13     return sqrt(p*(p-a)*(p-c));
14 }
15 int com(const void*x,const void*y)
16 {
17     Triangle*t1=(Triangle*)x;
18     Triangle*t2=(Triangle*)y;
19     if(t1->ar <t2->ar) return -1;
20     if(t1->ar >t2->ar) return 1;
21     return 0;
22 }
23 int main()
24 {
25     int n;
26     scanf("%d",&n);
27     Triangle tri[n];
28     for(int i=0;i<n;i++)
29     {
30         int a,b,c;
31         scanf("%d %d %d",&a,&b,&c);
32         tri[i].a=a;
33         tri[i].b=b;
34         tri[i].c=c;
35         tri[i].ar=cal(a,b,c);
36     }
37     qsort(tri,n,sizeof(Triangle),com);
38     for(int i=0;i<n;i++)
39     {
```



```
25 int n;
26 scanf("%d",&n);
27 Triangle tri[n];
28 for(int i=0;i<n;i++)
29 {
30     int a,b,c;
31     scanf("%d %d %d",&a,&b,&c);
32     tri[i].a=a;
33     tri[i].b=b;
34     tri[i].c=c;
35     tri[i].ar=cal(a,b,c);
36 }
37 qsort(tri,n,sizeof(Triangle),com);
38 for(int i=0;i<n;i++)
39 {
40     printf("%d %d %d\n",tri[i].a,tri[i].b,tri[i].c);
41 }
42 return 0;
43
44 }
```

Input	Expected	Got	
✓ 3	3 4 5	3 4 5	✓
7 24 25	5 12 13	5 12 13	
5 12 13	7 24 25	7 24 25	
3 4 5			

Passed all tests! ✓

Finish review

1:47 PM