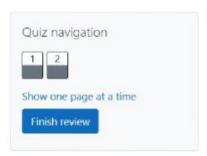
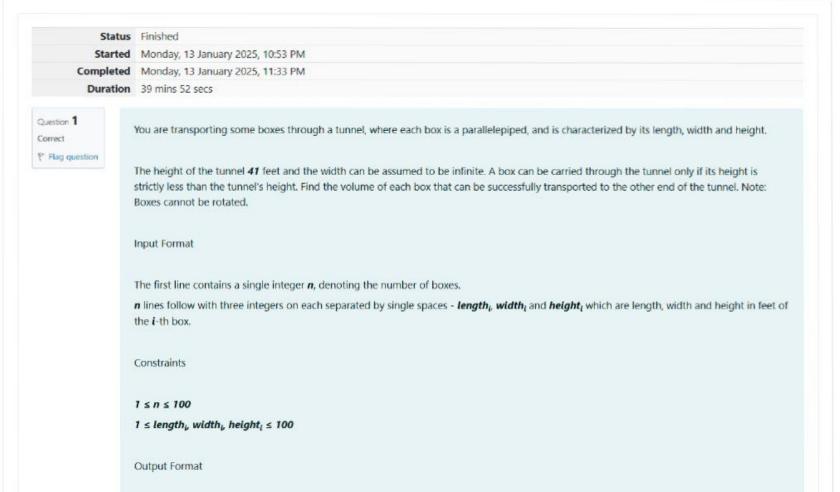
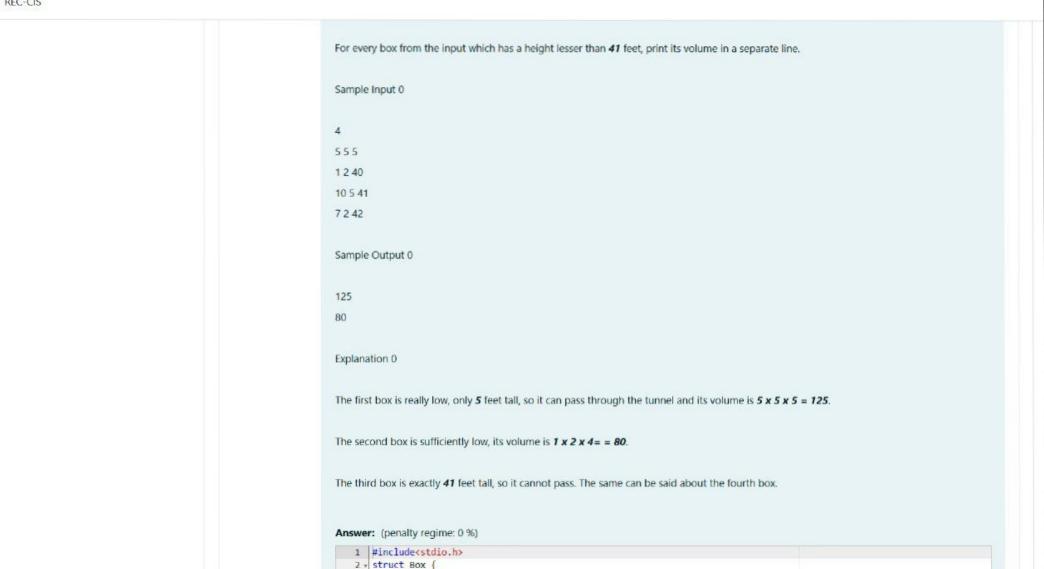
GE23131-Programming Using C-2024





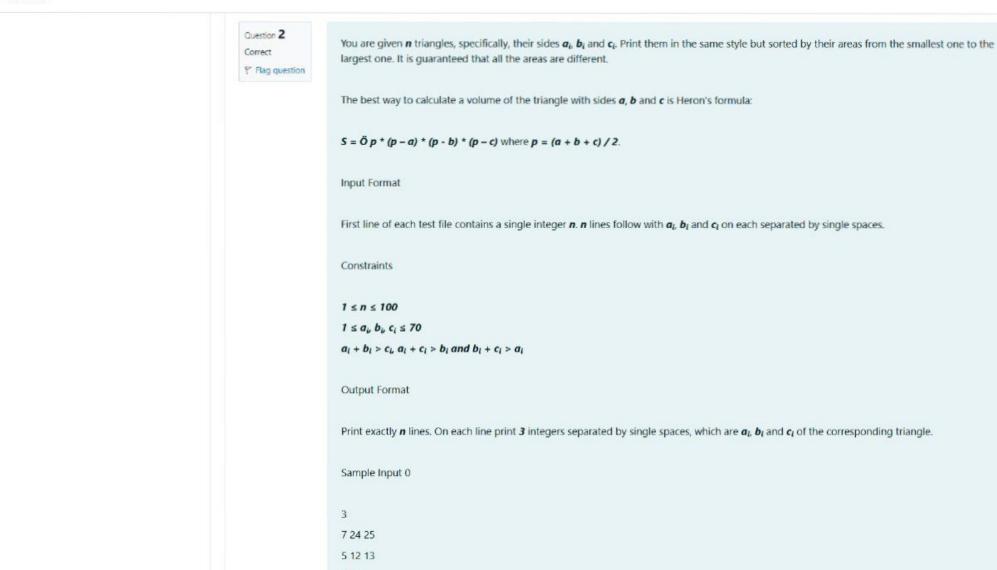


int lameter

The third box is exactly 41 feet tall, so it cannot pass. The same can be said about the fourth box. Answer: (penalty regime: 0 %) 1 #include(stdio.h) 2 - struct Box { int length; int width; int height; int main() 8 + { 9 int n; 10 scanf("%d",&n); 11 struct Box boxes[n]; for(int i = 0; i < n; i++) 12 13 + 14 scanf("%d %d %d",&boxes[i].length,&boxes[i].width,&boxes[i].height); if(boxes[i].height<41) 15 16 + printf("%d\n",boxes[i].length*boxes[i].width*boxes[i].height); 17 18 19 20 return 0; 21

	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 %)
     #include<stdio.h>
      #include<math.h>
       struct Triangle
   4 + {
          int a,b,c;
           double area;
   7
   8
       int main()
   9 + {
           int n;
   10
           scanf("%d",&n);
  11
  12
           struct Triangle triangles[n];
           for(int i=0;i<n;i++)
  13
  14 +
               scanf("%d%d%d",&triangles[i].a,&triangles[i].b,&triangles[i].c);
  15
  16
               double p = (triangles[i].a+triangles[i].b+triangles[i].c)/2.0;
               triangles[i].area=sqrt(p*(p-triangles[i].a)*(p-triangles[i].b)*(p-triangles[i].c));
  17
  18
  19
           for(int i=0;i<n-1;i++)
  20 4
  21
               for(int j=i+1;j<n;j++)
  22 v
                   if(triangles[i].area>triangles[j].area)
  23
  24 4
                       struct Triangle temp = triangles[i];
   25
  26
                       triangles[i]=triangles[j];
                       triangles[j]=temp;
  27
  28
  29
  30
           for(int i=0;i<n;i++)
  31
  32
              printf("%d %d %d\n",triangles[i].a,triangles[i].b,triangles[i].c);
   33
  34
  35
           return 3;
  36 }
```

```
int main()
9 + {
        int n;
10
        scanf("%d",&n);
11
        struct Triangle triangles[n];
12
        for(int i=0;i<n;i++)
13
14
            scanf("%d%d%d",&triangles[i].a,&triangles[i].b,&triangles[i].c);
15
            double p = (triangles[i].a+triangles[i].b+triangles[i].c)/2.0;
16
            triangles[i].area=sqrt(p*(p-triangles[i].a)*(p-triangles[i].b)*(p-triangles[i].c));
17
18
19
        for(int i=0;i<n-1;i++)
20 ,
21
            for(int j=i+1; j<n; j++)
22 v
23
                if(triangles[i].area>triangles[j].area)
24 1
                    struct Triangle temp = triangles[i];
25
26
                    triangles[i]-triangles[j];
                    triangles[j]=temp;
27
28
29
30
        for(int i=0;i<n;i++)
31
32 1
33
            printf("%d %d %d\n",triangles[i].a,triangles[i].b,triangles[i].c);
34
35
        return 3;
36
```

	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			