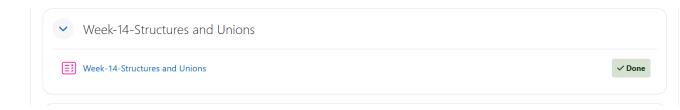
WEEK - 14



```
#include<stdio.h>
 1
 2 🔻
    int main(){
 3
        int n;
        scanf("%d", &n);
 4
 5 🔻
        for(int i = 0; i < n; i++){
            int length, width, height;
 6
 7
            scanf("%d %d %d", &length, &width, &height);
 8 *
            if(height < 41){</pre>
 9
                 int volume = length * width * height;
                printf("%d\n", volume);
10
            }
11
12
13
        return 0;
14 }
```

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

Passed all tests! <

```
#include<stdio.h>
2
    #include<math.h>
3
    #include<stdlib.h>
4 v typedef struct{
5
        int a, b, c;
6
        double area;
7
   } triangle;
8 v double c_area(int a, int b, int c){
9
        double p = (a + b + c) / 2.0;
10
        return sqrt(p * (p - a) * (p - b) * (p - c));
11
12 v int compare(const void * t1, const void * t2){
13
        triangle * tri1 = (triangle *)t1;
14
        triangle * tri2 = (triangle *)t2;
15
        if(tri1 -> area < tri2 -> area)
16
        return -1;
17
        if(tri1 -> area > tri2 -> area)
18
        return 1;
19
        return 0;
20
21 •
   int main(){
        int n;
22
        scanf("%d", &n);
23
        triangle triangles[n];
24
25 •
        for(int i = 0; i < n; i++){
           int a, b, c;
26
            scanf("%d %d %d", &a, &b, &c);
27
28
            triangles[i].a = a;
29
            triangles[i].b = b;
30
            triangles[i].c = c;
31
            triangles[i].area = c_area(a, b, c);
32
        qsort(triangles, n, sizeof(triangle), compare);
33
        for(int i = 0; i < n; i++){
34 1
            printf("%d %d %d\n", triangles[i].a, triangles[i].b, triangles[i].c);
35
36
        return 0;
37
38
```

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

Passed all tests! <