Section: Week-14-Structures an

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REC-CIS

MANISHA M 2024-CSE M2

Week-14-Structures and Unions

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◄Assessment-13-Passing Arrays and Strings to Functions ►Week-15-Pointers

Week-14-Structures and Unions ✓Done

◄Assessment-13-Passing Arrays and Strings to Functions Jump to... ►Week-15-Pointers

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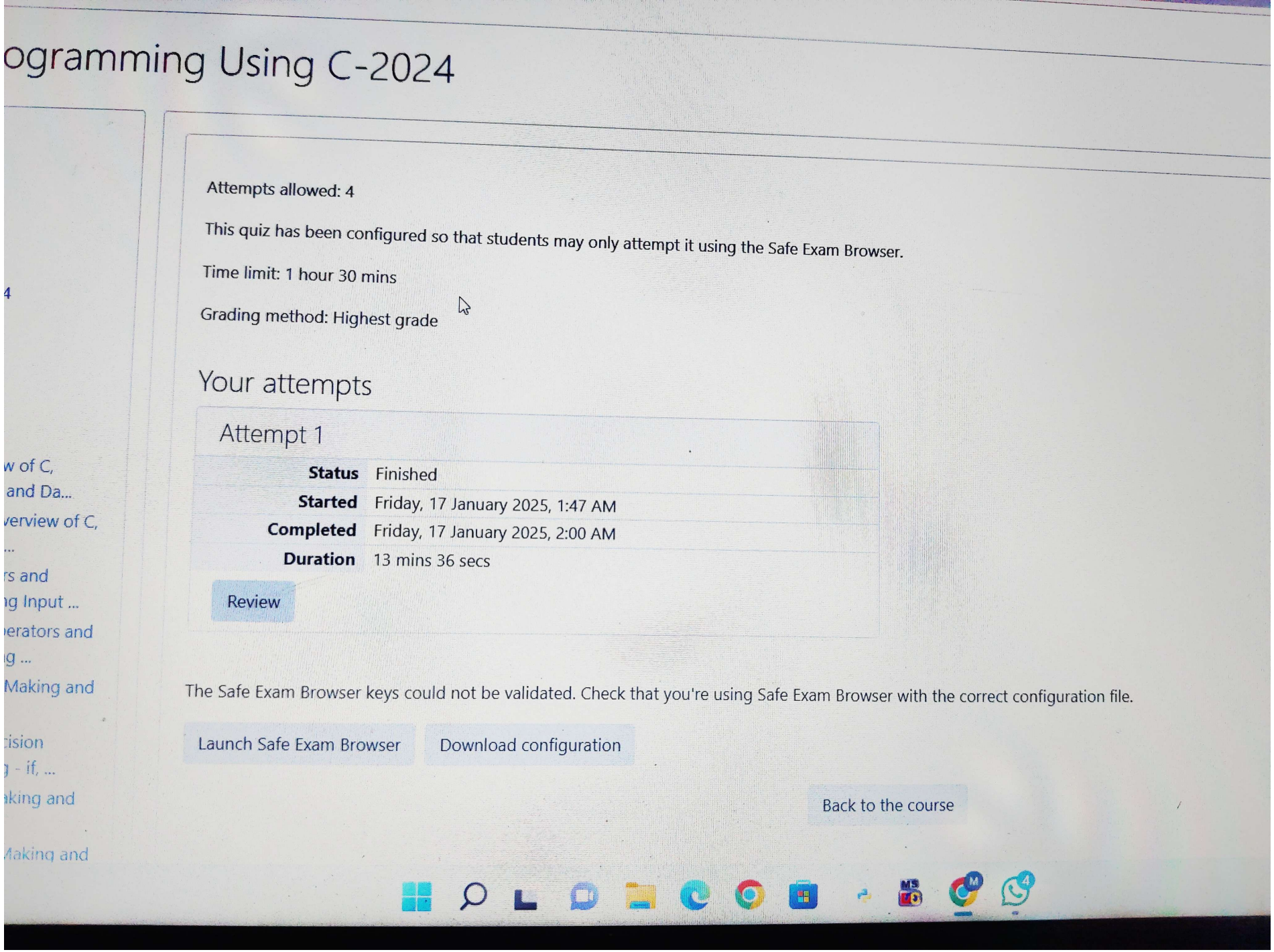

/quiz/review.php?attempt=169506&cmid=405

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int n;
    scanf("%d",&n);
    for(int i=0;i<n;i++)
    {
        int l,w,h;
        scanf("%d %d %d",&l,&w,&h);
        if(h<41)
        {
            int v =l*h*w;
            printf("%d\n",v);
        }
    }
}
```

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

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
#include<math.h>
#include<stdlib.h>
typedef struct
{
    double ar;
    int a,b,c;
}
    Triangle;
    double cal(int a,int b,int c)
    {
        double p=(a+b+c)/2.0;
        return sqrt(p*(p-a)*(p-c));
    }
    int com(const void*x,const void*y)
    {
        Triangle*t1=(Triangle*)x;
        Triangle*t2=(Triangle*)y;
        if(t1->ar <t2->ar)return -1;
        if(t1->ar >t2->ar)return 1;
        return 0;
    }
int main()
{
    int n;
    scanf("%d",&n);
    Triangle tri[n];
    for(int i=0;i<n;i++)
    {
        int a,b,c;
        scanf("%d %d %d",&a,&b,&c);
        tri[i].a=a;
        tri[i].b=b;
        tri[i].c=c;
        tri[i].ar=cal(a,b,c);
    }
    qsort(tri,n,sizeof(Triangle),com);
    for(int i=0;i<n;i++)
    {
```