

∨ Logical Test Cases





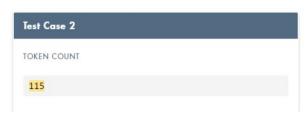
Test Cases

✓ Mandatory Test Cases

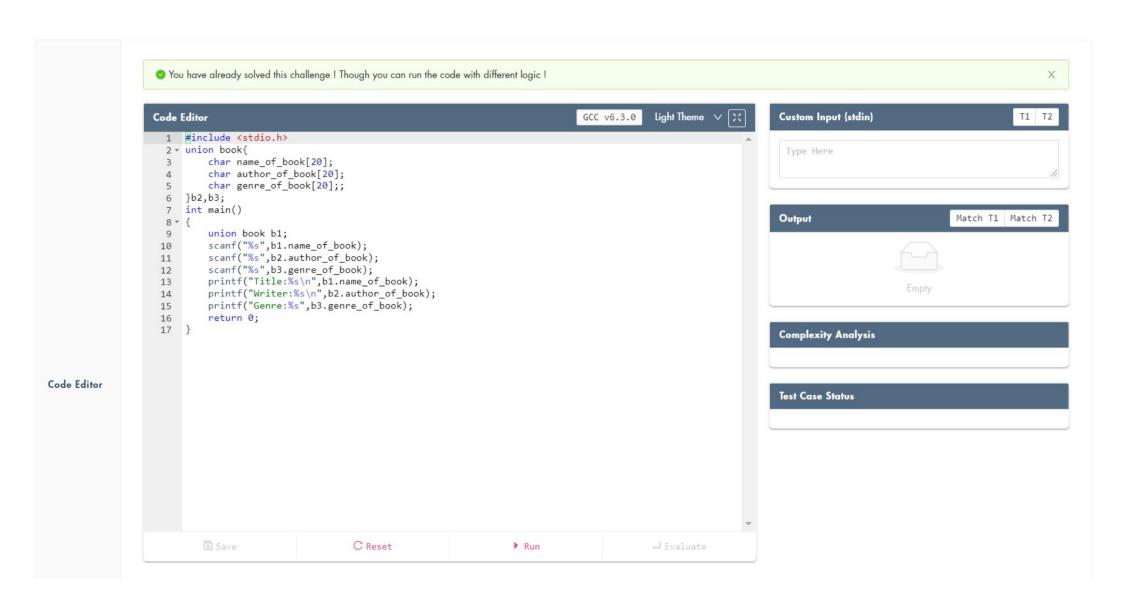






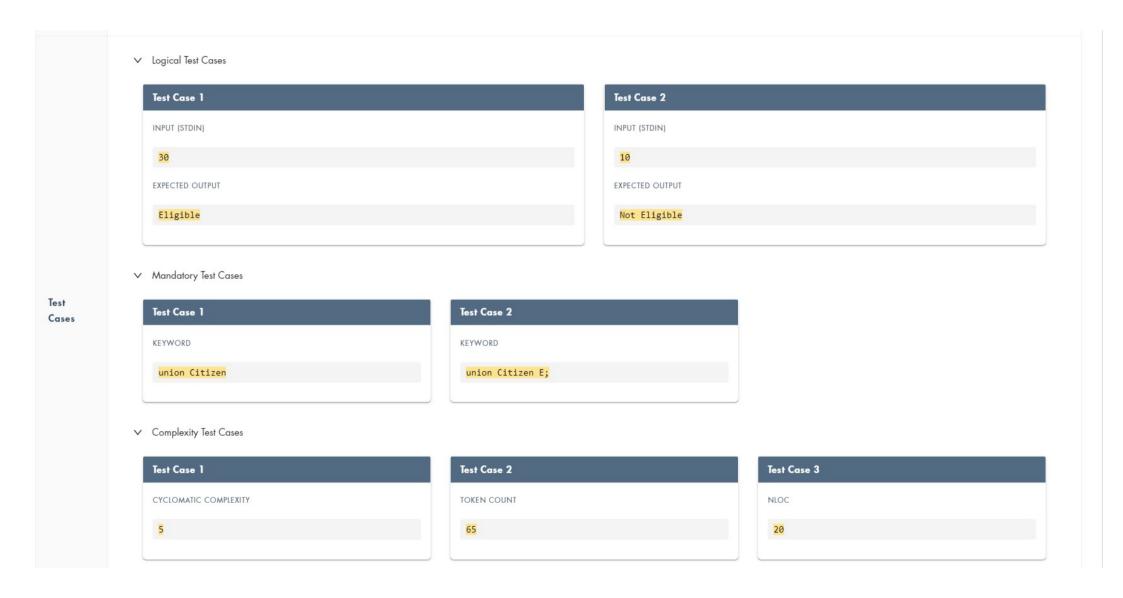


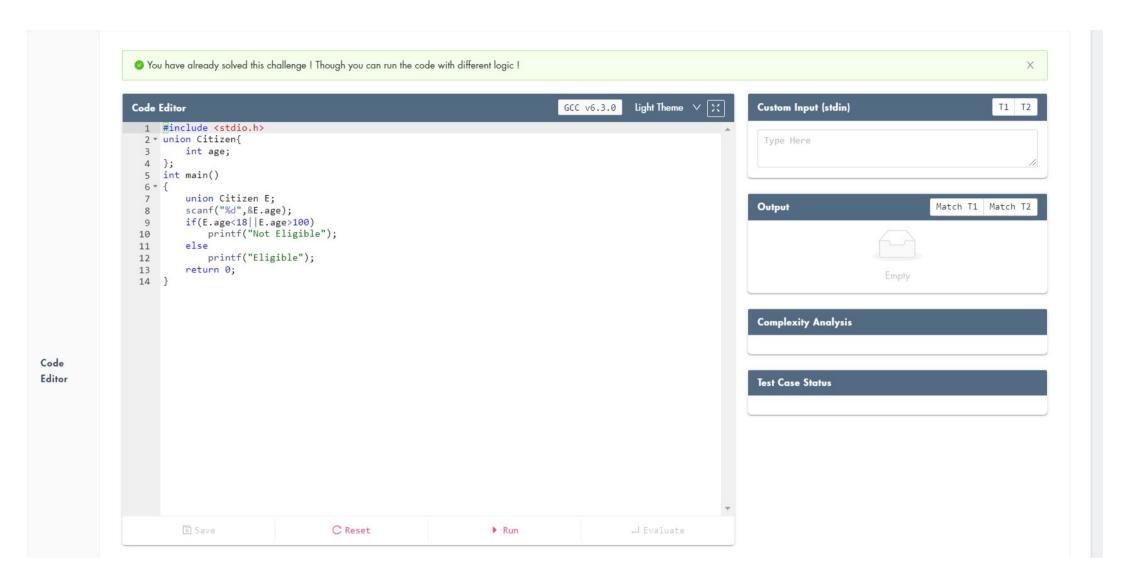
Test Case 3		
NLOC		
20		

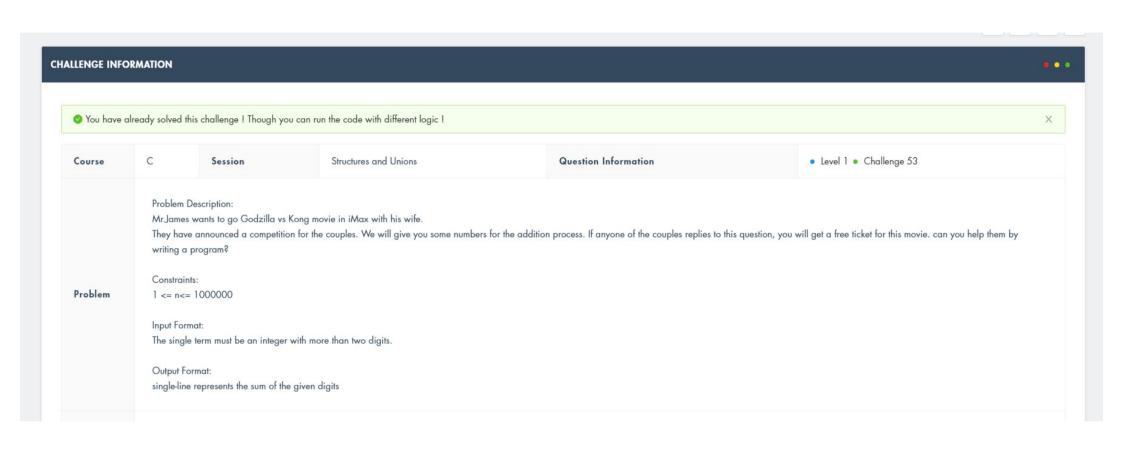


X

Course	С	Session	Structures and Unions	Question Information	• Level 1 • Challenge 52
	A small c	Description: country leader decided that after to be peligibility for voting. nust work for this and help the de		ge the educated and unemployed youth of that country in this matter	. Ordering young people to create an application to assess
	Function	al Description:			
	if the age	e is below 18 then "not Eligible"	for voting		
Problem	if the age is greater than 18 then "Eligible" for voting				
	Constrair You soul 1 <=age	use Union Concept for this progr	ram.		
	Input For	mat:			
	The input	contains the integer that indicate	es the age of people.		
	Output Fo	ormat:			
	Display t	he Output "Eligible" or "Not Eligi	ible"		



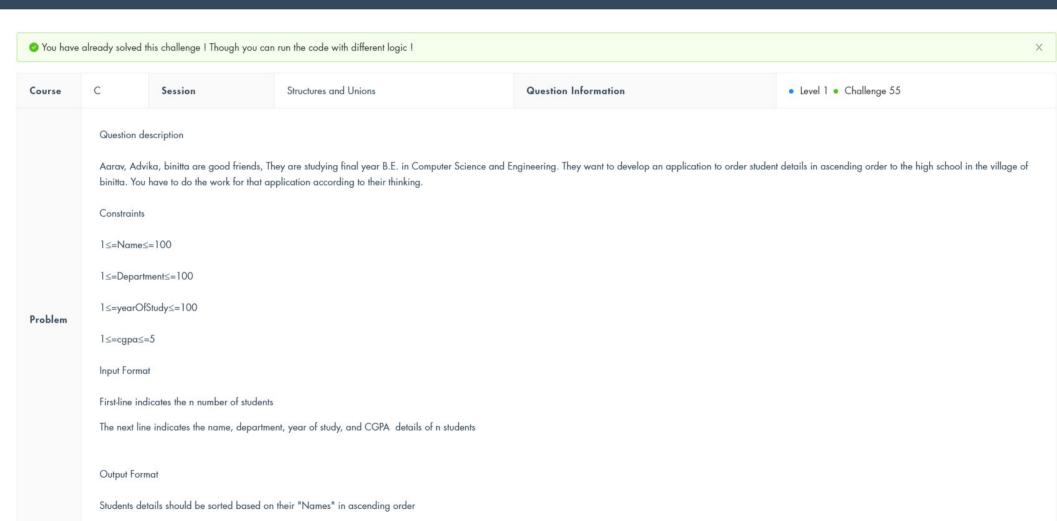


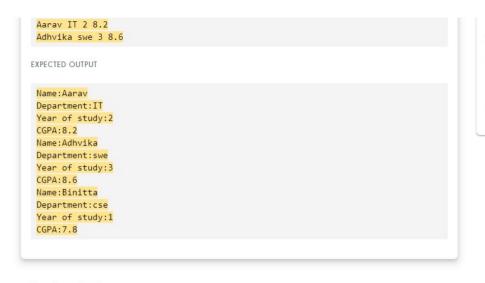


∨ Logical Test Cases Test Case 1 Test Case 2 INPUT (STDIN) INPUT (STDIN) 567 987 EXPECTED OUTPUT EXPECTED OUTPUT 24 18 ✓ Mandatory Test Cases Test Case 1 Test Case 2 Test Case 3 Test Cases KEYWORD KEYWORD KEYWORD union Data data.num data.res ∨ Complexity Test Cases Test Case 1 Test Case 2 Test Case 3 CYCLOMATIC COMPLEXITY TOKEN COUNT NLOC 100

❷ You have already solved this challenge! Though you can run the code with different logic! Χ Light Theme 🗸 💢 Code Editor Custom Input (stdin) T1 T2 GCC v6.3.0 1 #include <stdio.h> 2 * int sum(int num){ Type Here 3 * **if**(num!=0){ return(num%10+sum(num/10)); 4 5 else 6 7 return 0; Match T1 Match T2 Output 8 } 9 * union Data{ int num,res; 10 11 }data; 12 int main() 13 * { scanf("%d",&data.num); 14 15 data.res=sum(data.num); printf("%d",data.res); 16 17 return 0; **Complexity Analysis** 18 } Test Case Status Save C Reset ▶ Run

CHALLENGE INFORMATION

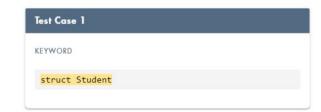




Name:stella
Department:cse
Year of study:1
CGPA:7.8

Test Cases

✓ Mandatory Test Cases

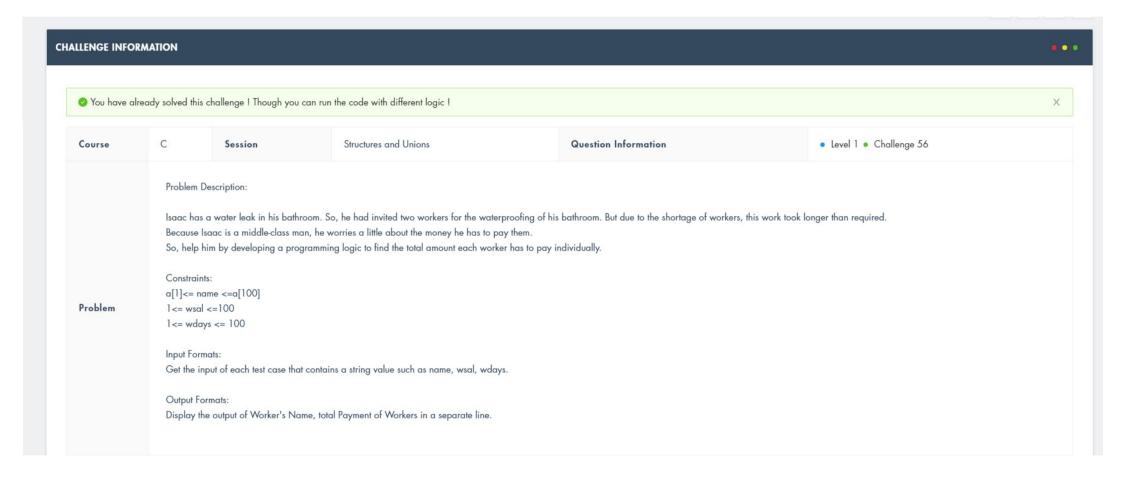




Test Case 2			
TOKEN COUNT			
260			

Test Case 3		
NLOC		
40		

♥ You have already solved this challenge! Though you can run the code with different logic! X Light Theme 🔻 💢 Custom Input (stdin) **Code Editor** GCC v6.3.0 T1 T2 1 #include <stdio.h> 2 #include<string.h> Type Here 3 * struct Student{ char name[50]; 5 char dept[5]; int year; 6 float gpa; Output Match T1 Match T2 8 }s[100],t; 9 int main() 10 ▼ { int i=0, j=0, n; 11 12 scanf("%d",&n); 13 * for(i=0;i<n;i++){ scanf("%s %s %d %f",s[i].name,s[i].dept,&s[i].year,&s[i].gpa); 14 15 for(i=0;i<n;i++){ 16 * for(j=i+1;j<n;j++){ 17 = **Complexity Analysis** if(strcmp(s[i].name,s[j].name)>0){ 18 * t=s[i]; 19 s[i]=s[j]; 20 s[j]=t; 21 22 Test Case Status 23 24 25 for(i=0;i<n;i++){ 26 * 27 printf("Name:%s\n",s[i].name); printf("Department:%s\n",s[i].dept); 28 printf("Year of study:%d\n",s[i].year); 29 30 printf("CGPA:%.1f\n",s[i].gpa); 31 32 return 0; 33 } C Reset Run

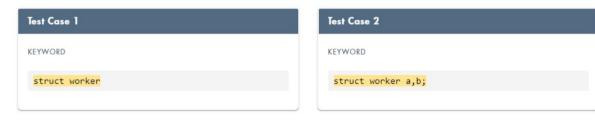






Test Cases

∨ Mandatory Test Cases

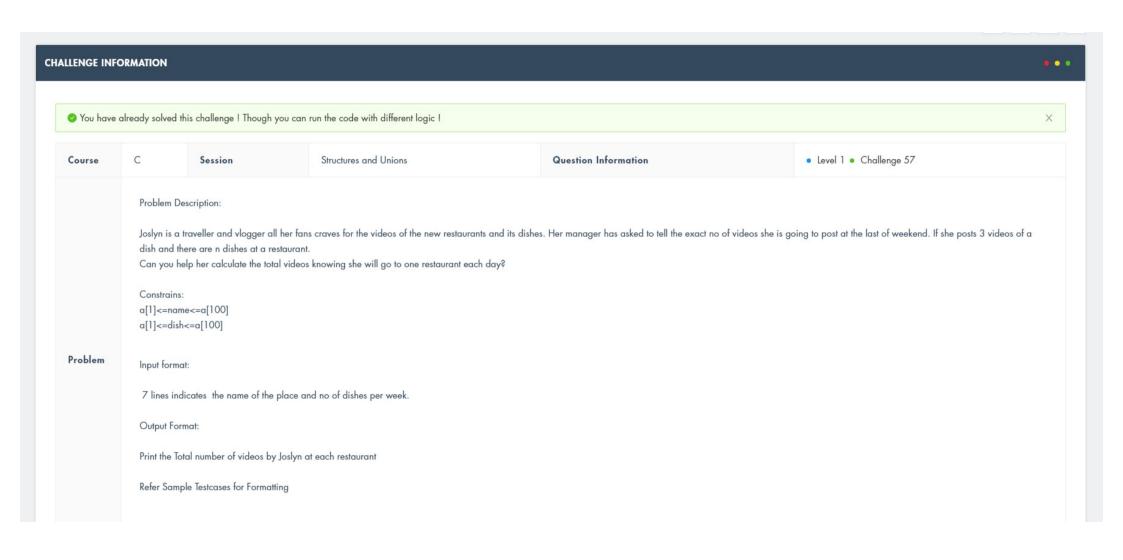






Test Case 3	
NLOC	
29	

❷ You have already solved this challenge! Though you can run the code with different logic! Light Theme 🗸 🔀 **Code Editor** GCC v6.3.0 Custom Input (stdin) T1 T2 1 #include <stdio.h> 2 * struct worker{ Type Here char name[50]; int wsal; 4 5 int wdays; int total; 6 7 }; Output Match T1 Match T2 8 int main() 9 + { 10 struct worker a,b; 11 scanf("%s %d %d",a.name,&a.wsal,&a.wdays); scanf("%s %d %d",b.name,&b.wsal,&b.wdays); 12 13 printf("%s\n",a.name); a.total=(a.wsal)*(a.wdays); 14 printf("%d\n",a.total); 15 16 printf("%s\n",b.name); b.total=(b.wsal)*(b.wdays); 17 Complexity Analysis printf("%d",b.total); 18 19 return 0; 20 Test Case Status C Reset Run



Shimla 21 Chennai 6 Mysore 4 Kedharnath 23 Amaranth 9 Hydrabad 7 Bangalore 8 EXPECTED OUTPUT Shimla : 63 Chennai : 18 Mysore : 12 Kedharnath : 69 Amaranth : 27 Hydrabad : 21 Bangalore : 24 TOTAL: 234

delhi 25 Chennai 6 Mumbai 40 Kedharnath 23 Amaranth 19 Hydrabad 17 Bangalore 18 EXPECTED OUTPUT delhi : 75 Chennai : 18 Mumbai : 120 Kedharnath : 69 Amaranth : 57 Hydrabad : 51 Bangalore : 54 TOTAL: 444

Test Cases

∨ Mandatory Test Cases

Test Case 1 KEYWORD struct video

Test Case 2 KEYWORD struct video clip;

∨ Complexity Test Cases

Test Case 1 CYCLOMATIC COMPLEXITY Test Case 2 TOKEN COUNT 150

Test Case 3 NLOC 28

✓ You have already solved this challenge! Though you can run the code with different logic! Light Theme 🔻 💢 Code Editor GCC v6.3.0 Custom Input (stdin) 1 #include <stdio.h> 2 * struct video{ Type Here char place[100]; 4 int videos; 5 }; 6 int main() 7 - { Match T1 Match T2 Output 8 int i; struct video clip; 9 10 struct video clips[7]; clip.videos=0; 11 for(i=0;i<7;i++){ 12 * scanf("%s",clips[i].place); 13 14 scanf("%d",&clips[i].videos); 15 clip.videos+=clips[i].videos; 16 for(i=0;i<7;i++){ 17 -**Complexity Analysis** printf("%s : ",clips[i].place);
printf("%d\n",3*clips[i].videos); 18 19 20 Code 21 printf("TOTAL : %d",3*clip.videos); 22 return 0; Editor Test Case Status 23 } C Reset Run

∨ Logical Test Cases Test Case 1 Test Case 2 INPUT (STDIN) INPUT (STDIN) 2 4 55 8 2 15 12 34 55 8 12 15 EXPECTED OUTPUT EXPECTED OUTPUT 4:22:40 -6:2:40 ∨ Mandatory Test Cases Test Test Case 1 Cases KEYWORD struct Time ∨ Complexity Test Cases Test Case 2 Test Case 3 Test Case 1 CYCLOMATIC COMPLEXITY TOKEN COUNT NLOC 140

You have already solved this challenge! Though you can run the code with different logic! X Light Theme 🔻 💢 T1 T2 Code Editor GCC v6.3.0 Custom Input (stdin) 1 #include <stdio.h> 2 ▼ struct Time{ Type Here int d1,m1,y1,d2,m2,y2,d,m,y; 4 }01,02,03; 5 int main() 6 * { scanf("%d %d %d %d %d %d",&o1.d1,&o1.m1,&o1.y1,&o2.d2,&o2.m2,&o2.y2); 7 Match T1 Match T2 Output o3.d=(o1.d1)-(o2.d2); 8 o3.m=(o1.m1)-(o2.m2); 9 10 o3.y=(o1.y1)-(o2.y2); printf("%d:%d:%d",o3.d,o3.m,o3.y); 11 return 0; 12 13 } **Complexity Analysis** Test Case Status C Reset ▶ Run

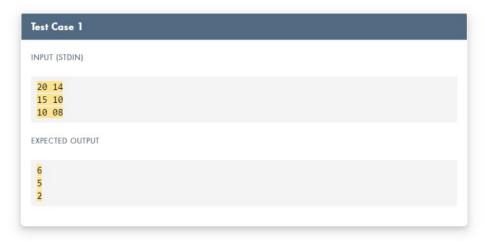
♥ You have already solved this challenge! Though you can run the code with different logic!

Output Format:

First-line indicates the difference between Hours,

the second line indicates the difference between Minutes
the third line indicates the difference between the seconds

∨ Logical lest Cases





Test Cases

∨ Mandatory Test Cases

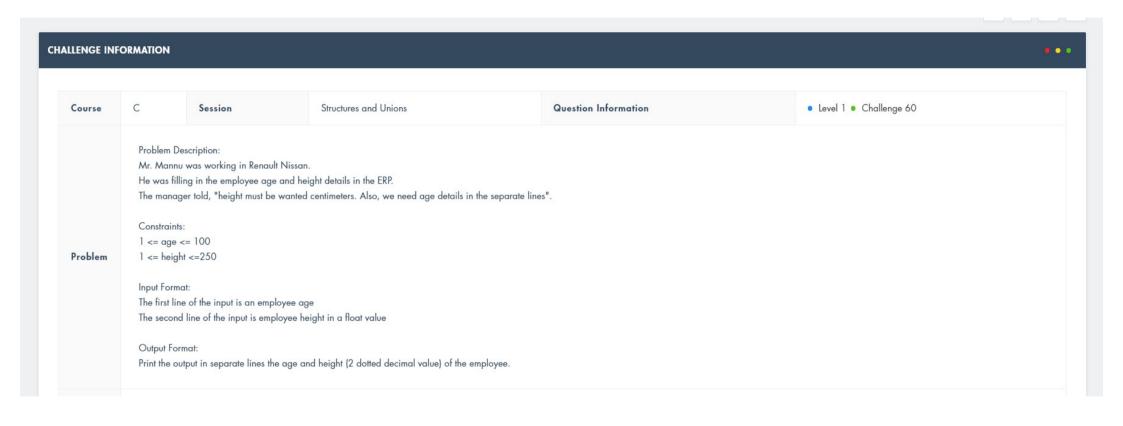




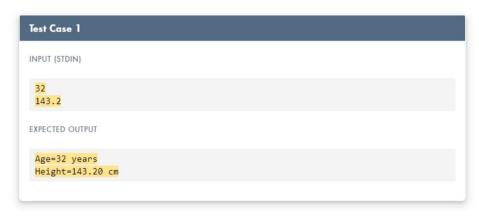
Test Case 2		
TOKEN COUNT		
145		

Test Case 3	
NLOC	
20	

✓ You have already solved this challenge! Though you can run the code with different logic! Light Theme 🔻 💢 Code Editor Custom Input (stdin) GCC v6.3.0 T1 T2 1 #include <stdio.h> 2 ▼ union Time{ Type Here int h1,h2,m1,m2,s1,s2,h,m,s; 4 }t1,t2,t3,t4,t5,t6; 5 int main() 6 * { scanf("%d %d",&t1.h1,&t2.h2); 7 Output Match T1 Match T2 scanf("%d %d",&t3.m1,&t4.m2); 8 scanf("%d %d",&t5.s1,&t6.s2); printf("%d\n%d\n%d",(t1.h1-t2.h2),(t3.m1-t4.m2),(t5.s1-t6.s2)); 9 10 11 return 0; 12 } **Complexity Analysis** Test Case Status Save C Reset Run → Evaluate



∨ Logical lest Cases





✓ Mandatory Test Cases

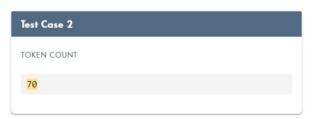
Test Cases

Test Case 1		
KEYWORD		
union number		









Test Case 3		
NLOC		
18		

