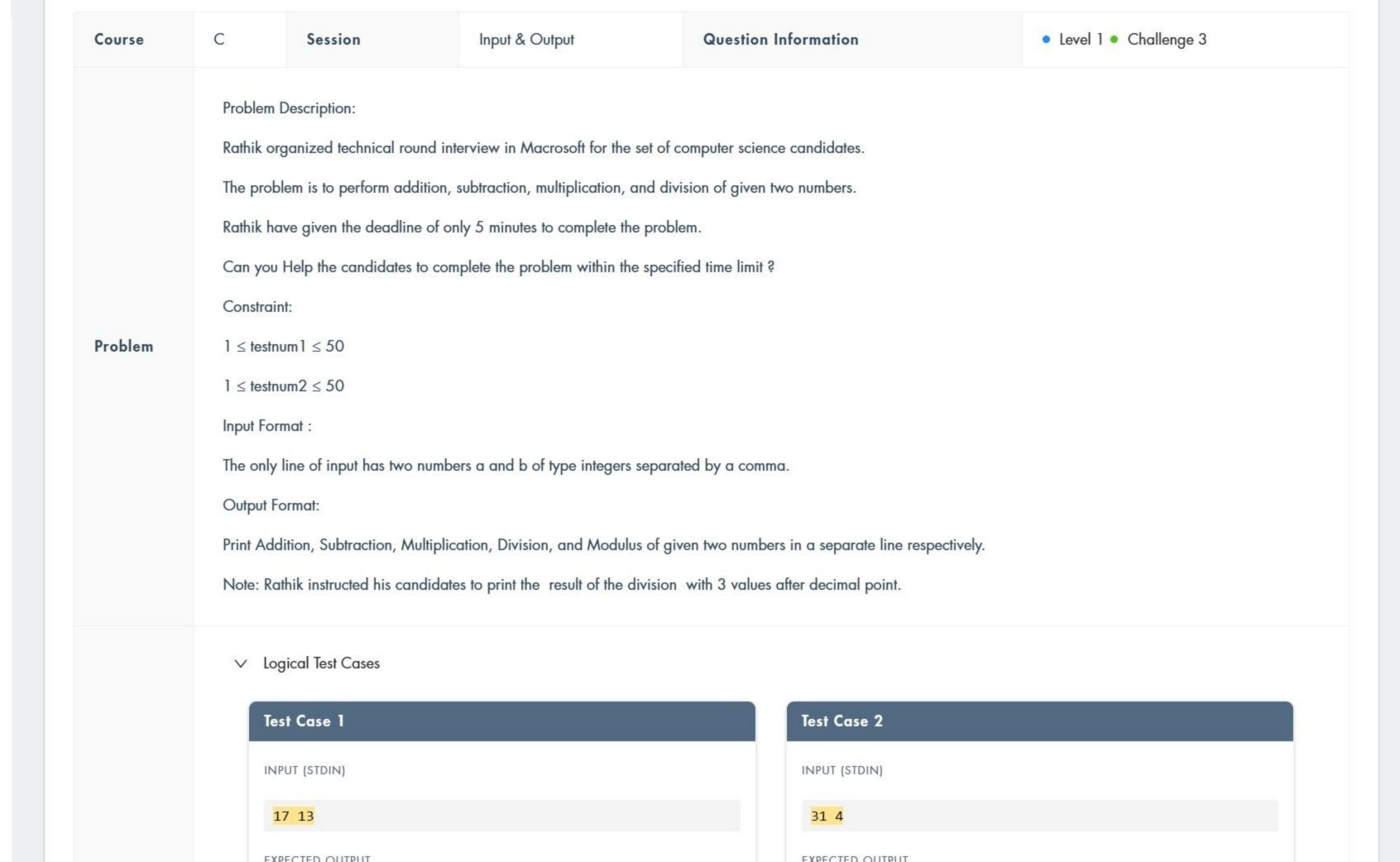
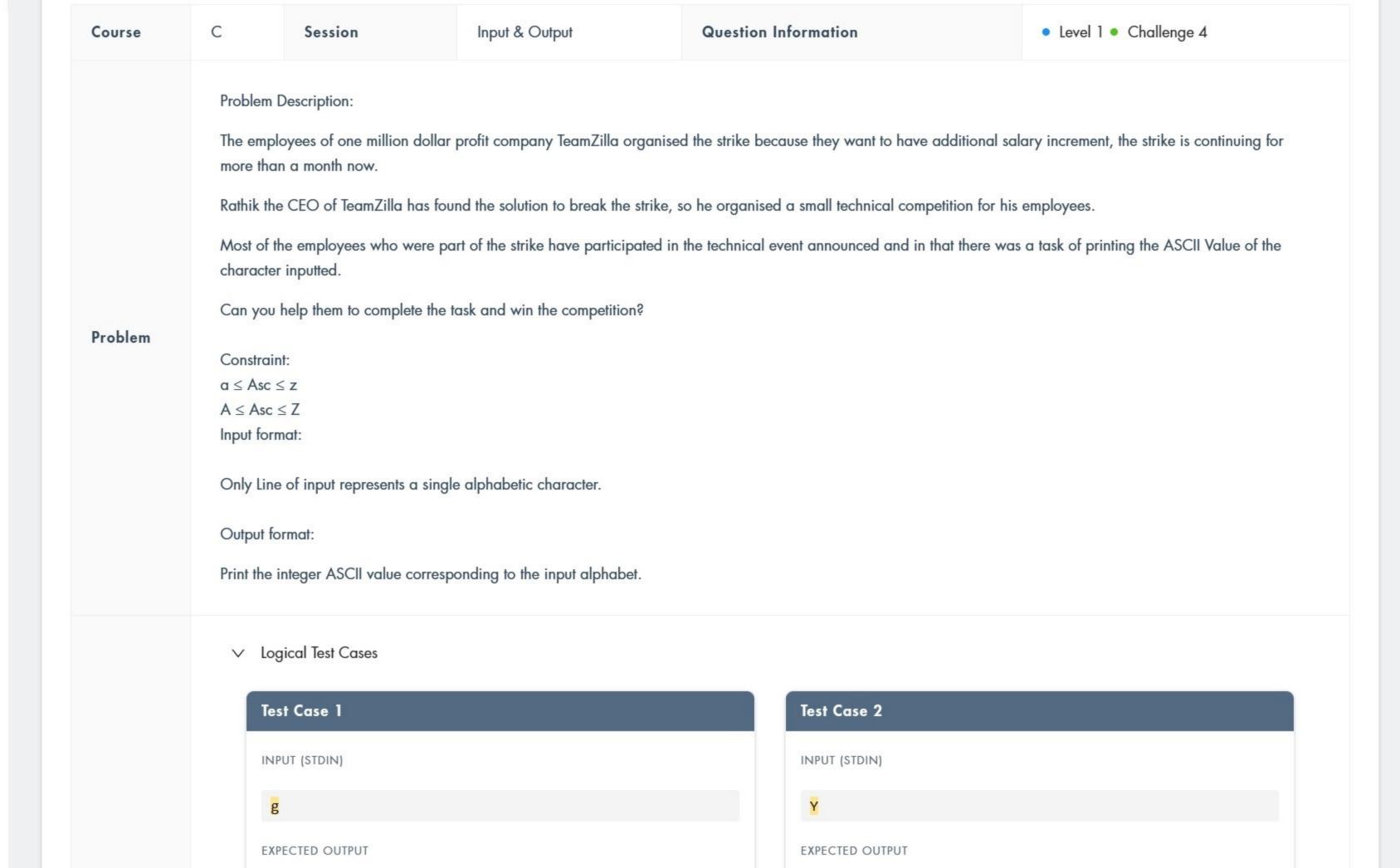
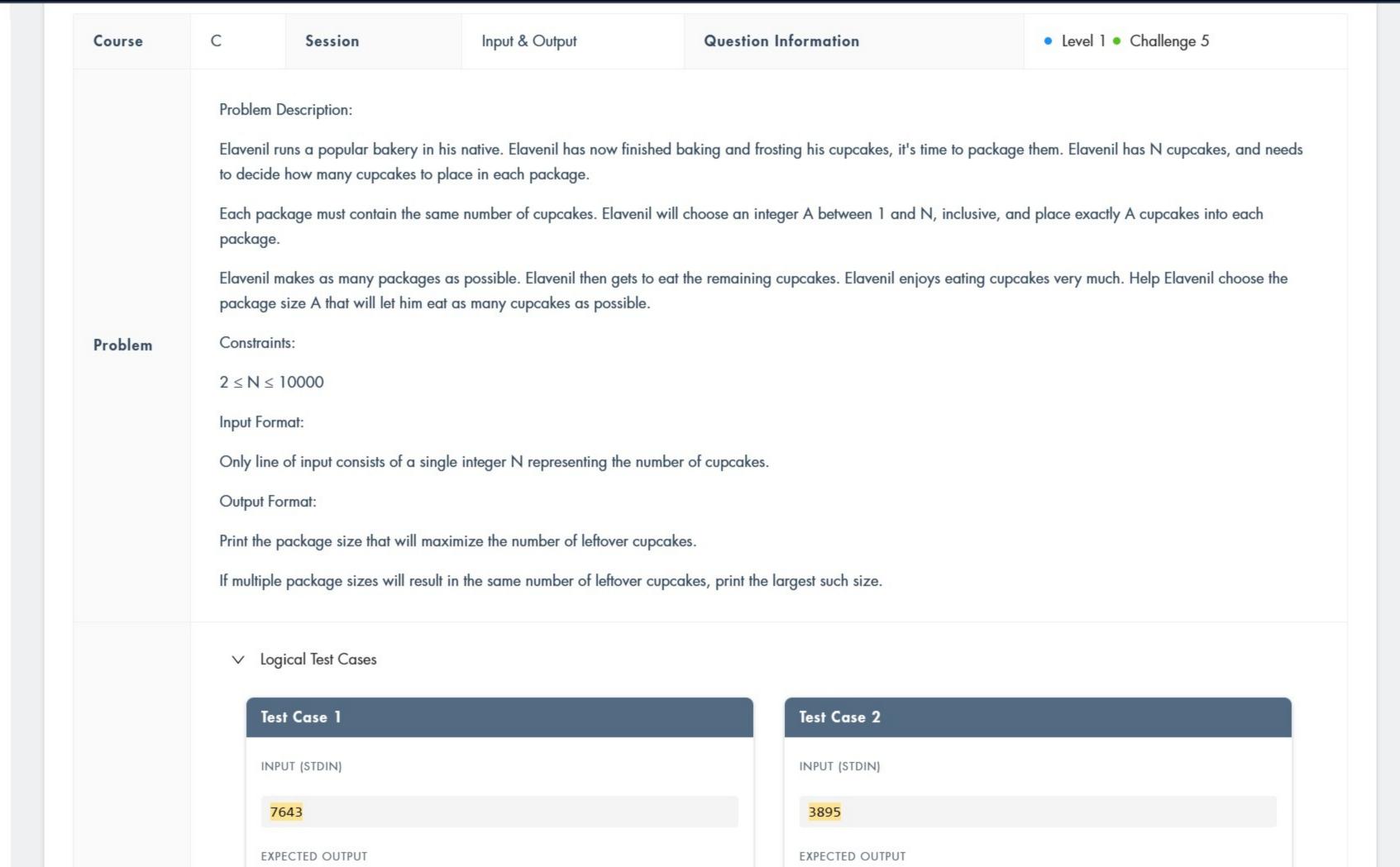


Problem Description: Tina's brother gave her a friendly task of calculating the number of squares in a board that has n*n squares of dimensions 1cm *1cm each. Help her to find the number of total squares including all small and big ones. Constraints: Problem $2 \le n \le 20$ Input Format: The only line of the input represents a value of "n" Output Format: Print the number of squares in the n*n board." ∨ Logical Test Cases Test Case 1 Test Case 2 INPUT (STDIN) INPUT (STDIN) 14 19 EXPECTED OUTPUT **EXPECTED OUTPUT** 1015 2470 Mandatory Test Cases







				• Level 1 • Challenge 6			
	Problem Description:						
	Sajid was booking a train ticket from Chennai to Delhi for his family. Two of the relatives was interested in joining that journey from different places with their family members						
	So, Sajid booked tickets for t	hose persons also along with his famil	ly members.				
	He wants to know the total ne	umber of tickets for this travel.					
	Can you help him in finding the total number of passengers?						
	Constraint: Sajid has to declare three integer variables named as num1, num2, num3.						
Problem	$1 \le num 1 \le 15$						
	$1 \leq num2 \leq 15$						
	$1 \leq num3 \leq 15$						
	Input Format:						
	Only Line of input has three integers num1, num2 and num3 separated by a space representing the numbers of ticket booked by Sajid at three different interval of time.						
	Output Format:						
	Print the total number of tickets booked by Sajid.						

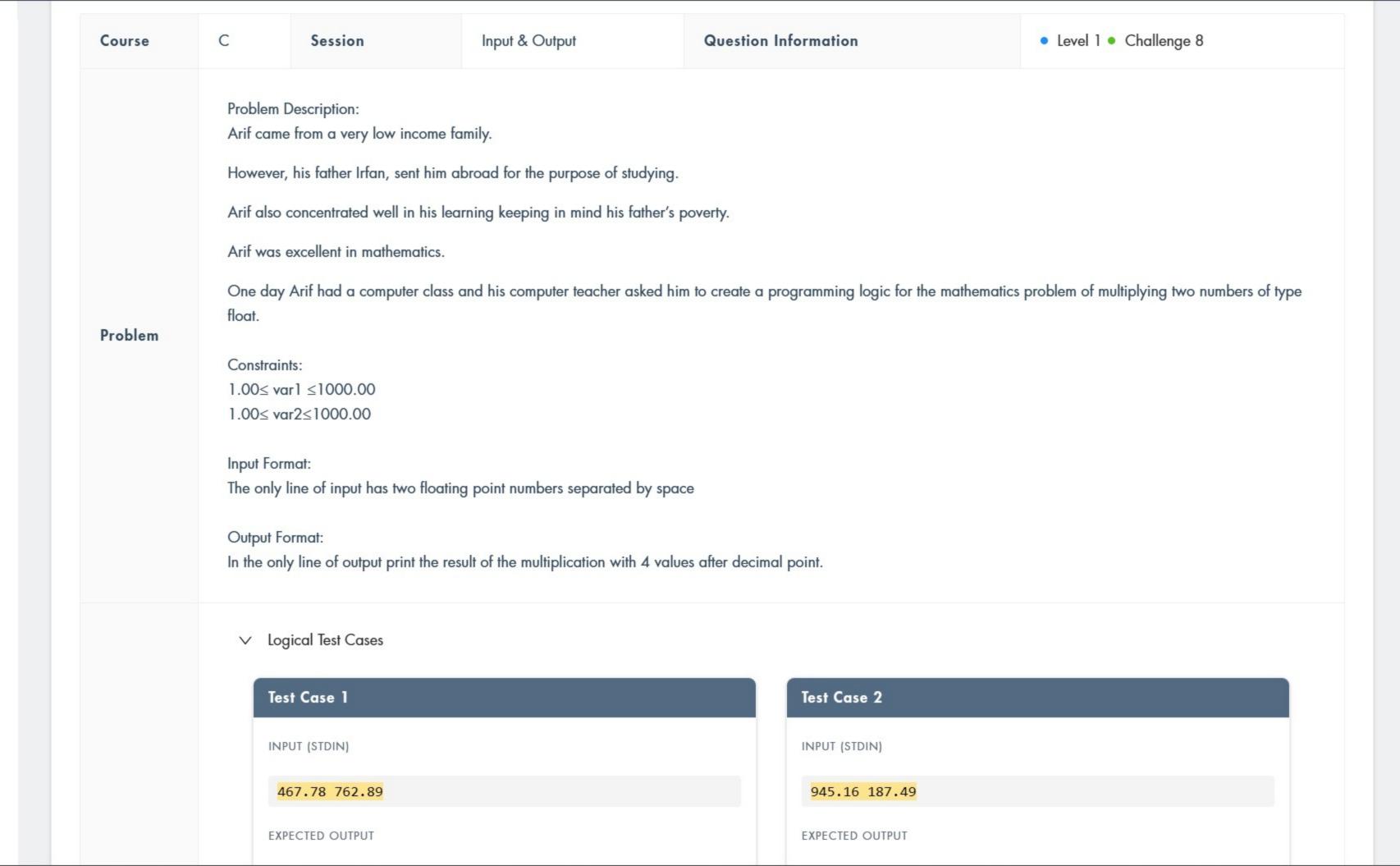
Test Case 1 Test Case 2

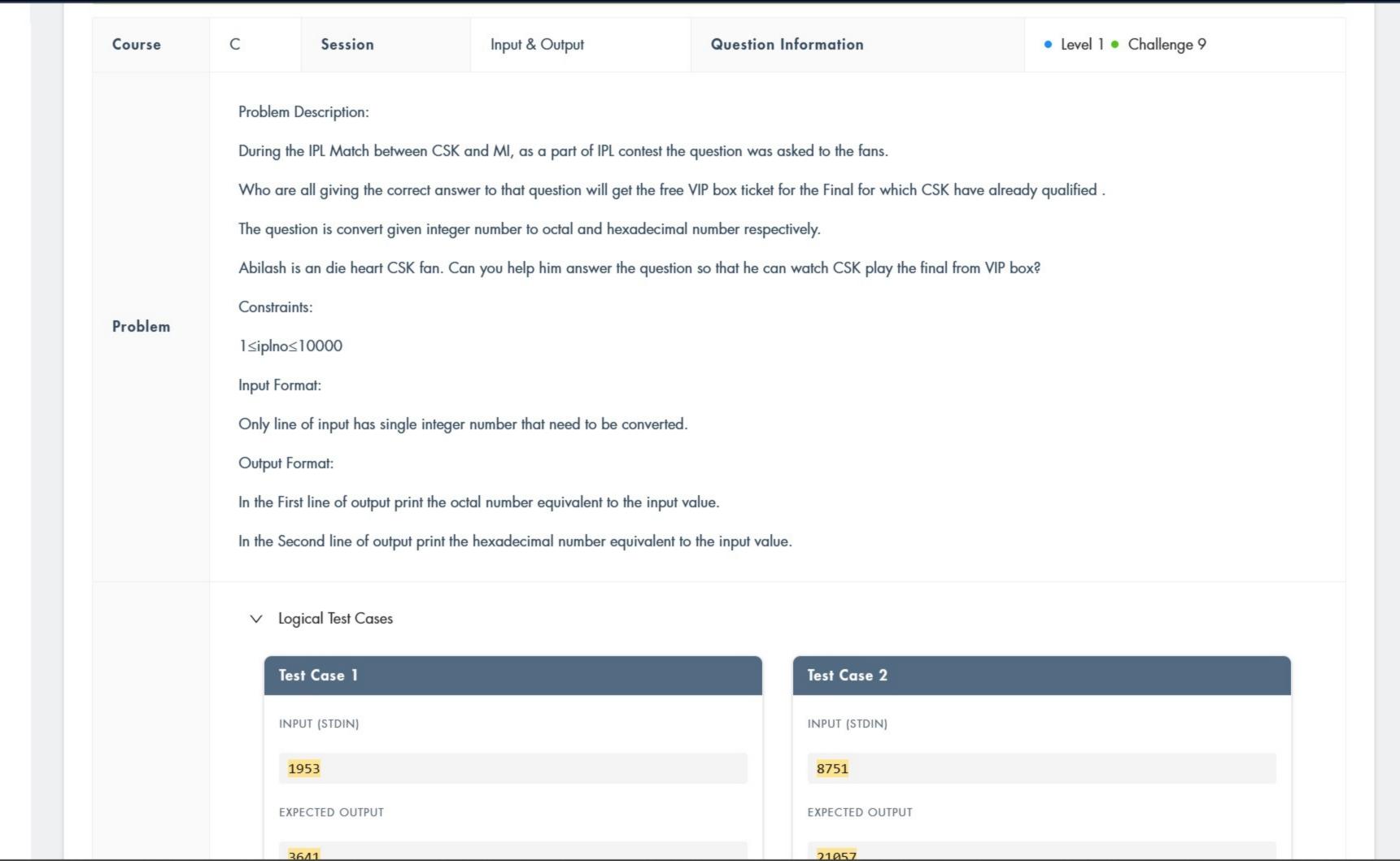


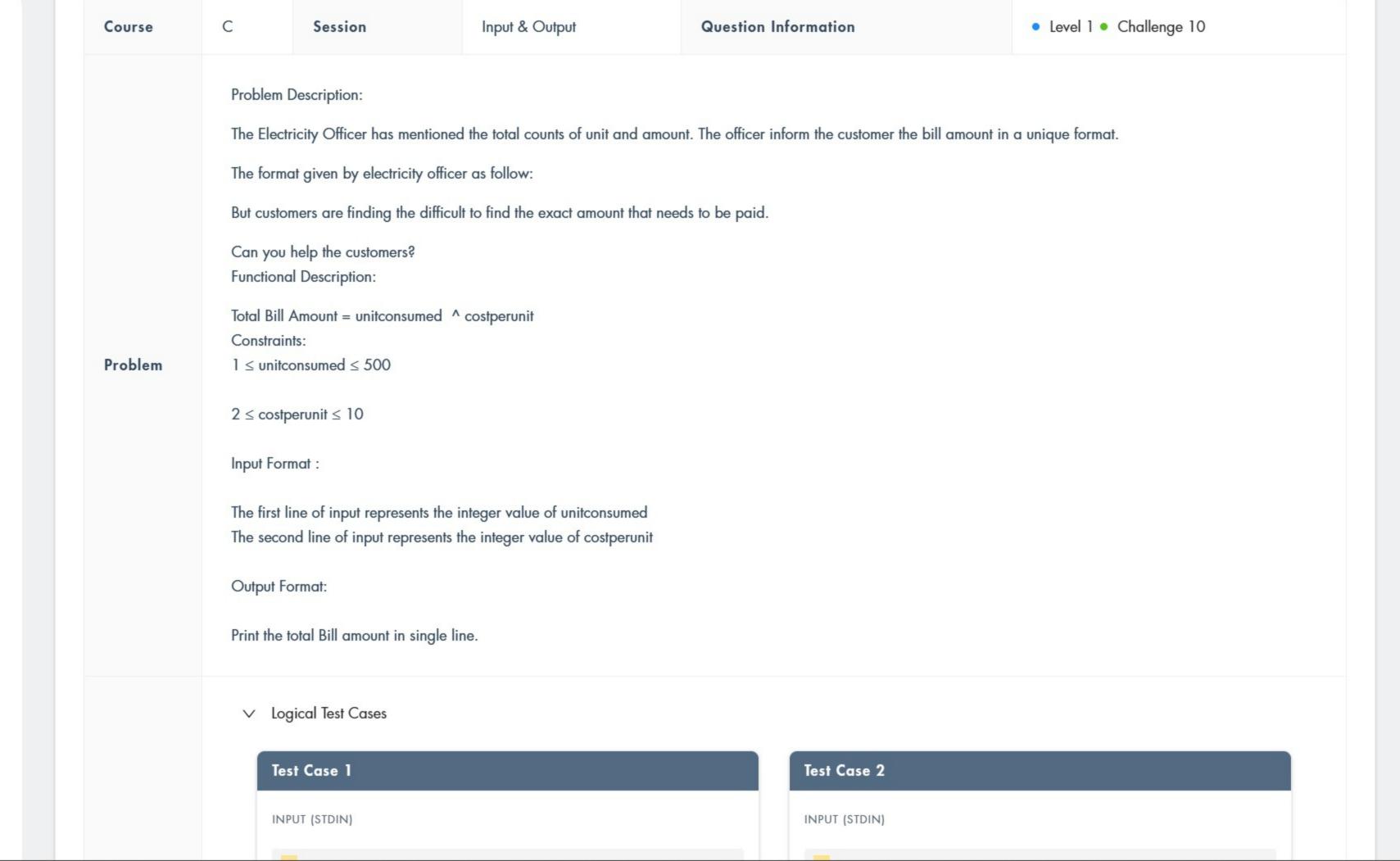


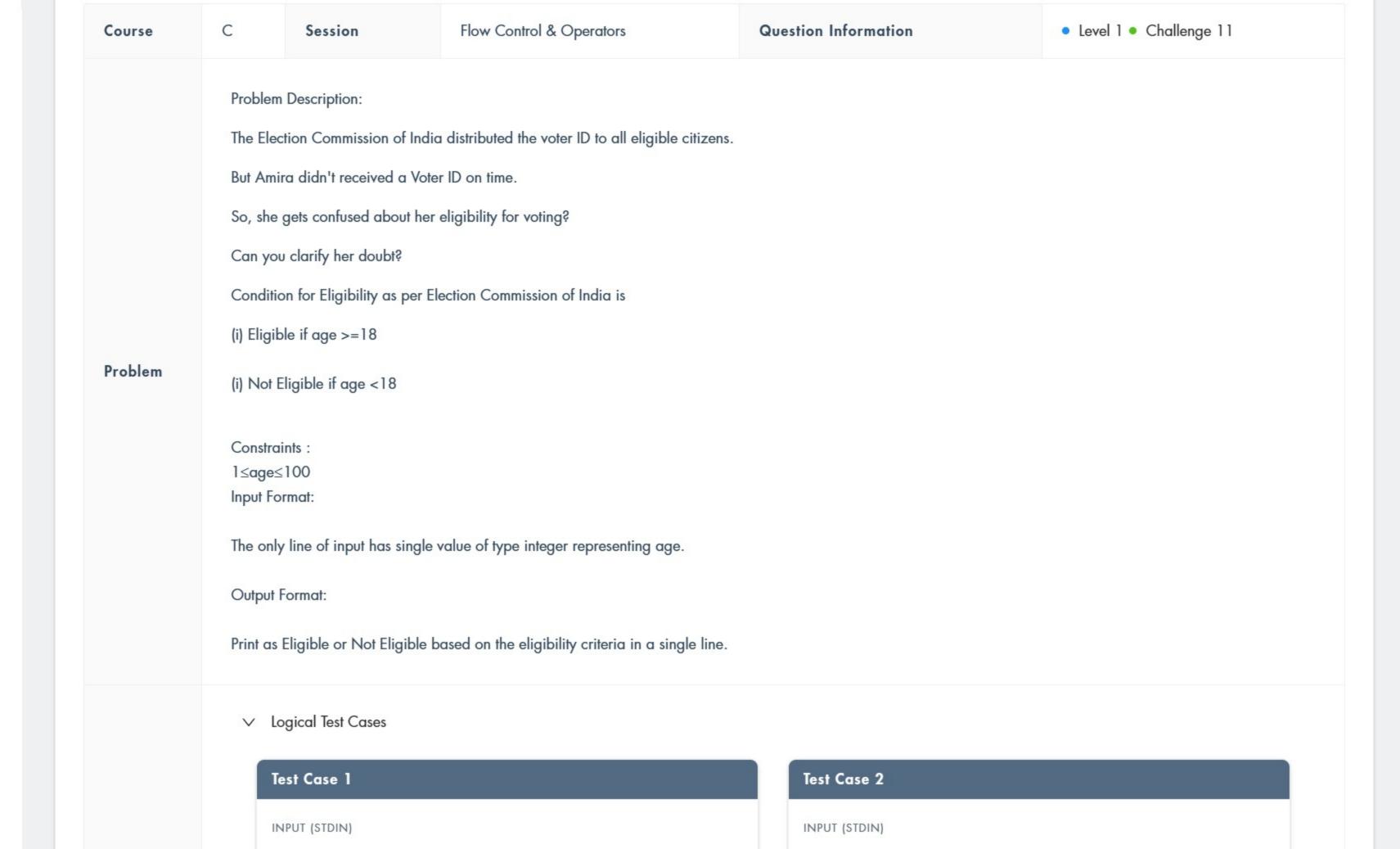
Course	С	Session	Input & Output	Question In	formation	• Level 1 • Challenge 7
Problem	Laasya k She som But she v Can you Function Volume : π = 3.14 Constrai 1.00 ≤ π Input For The only	ehow found the radius would like to know the value help him in finding the al Description: = (4.0/3.0) × π × r^3 4 nt: r ≤ 5.00 rmat : I line of input has a sing	volume of that ball. Volume of the ball?		e ball.	
	Te	est Case 1			Test Case 2	

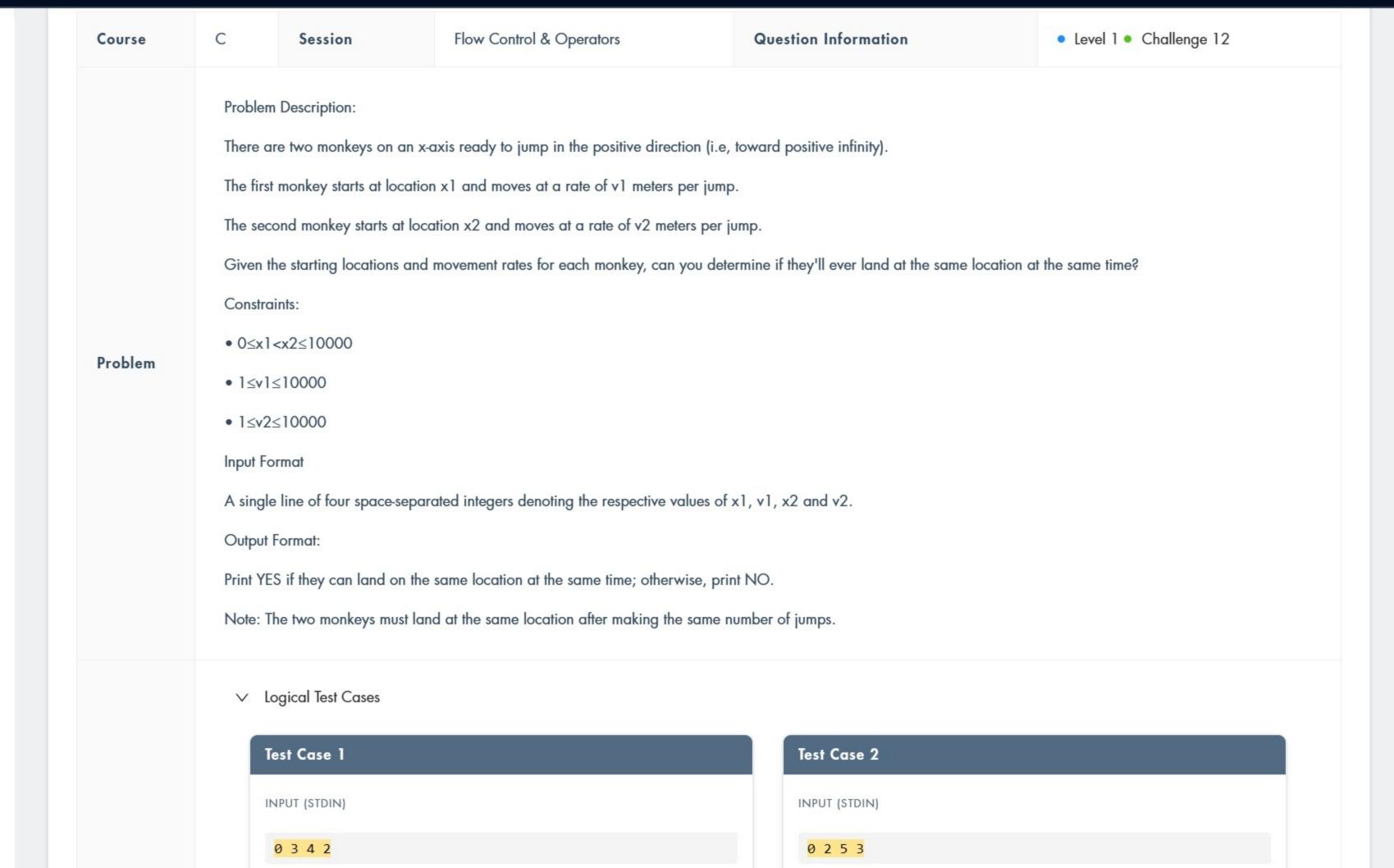
. . .







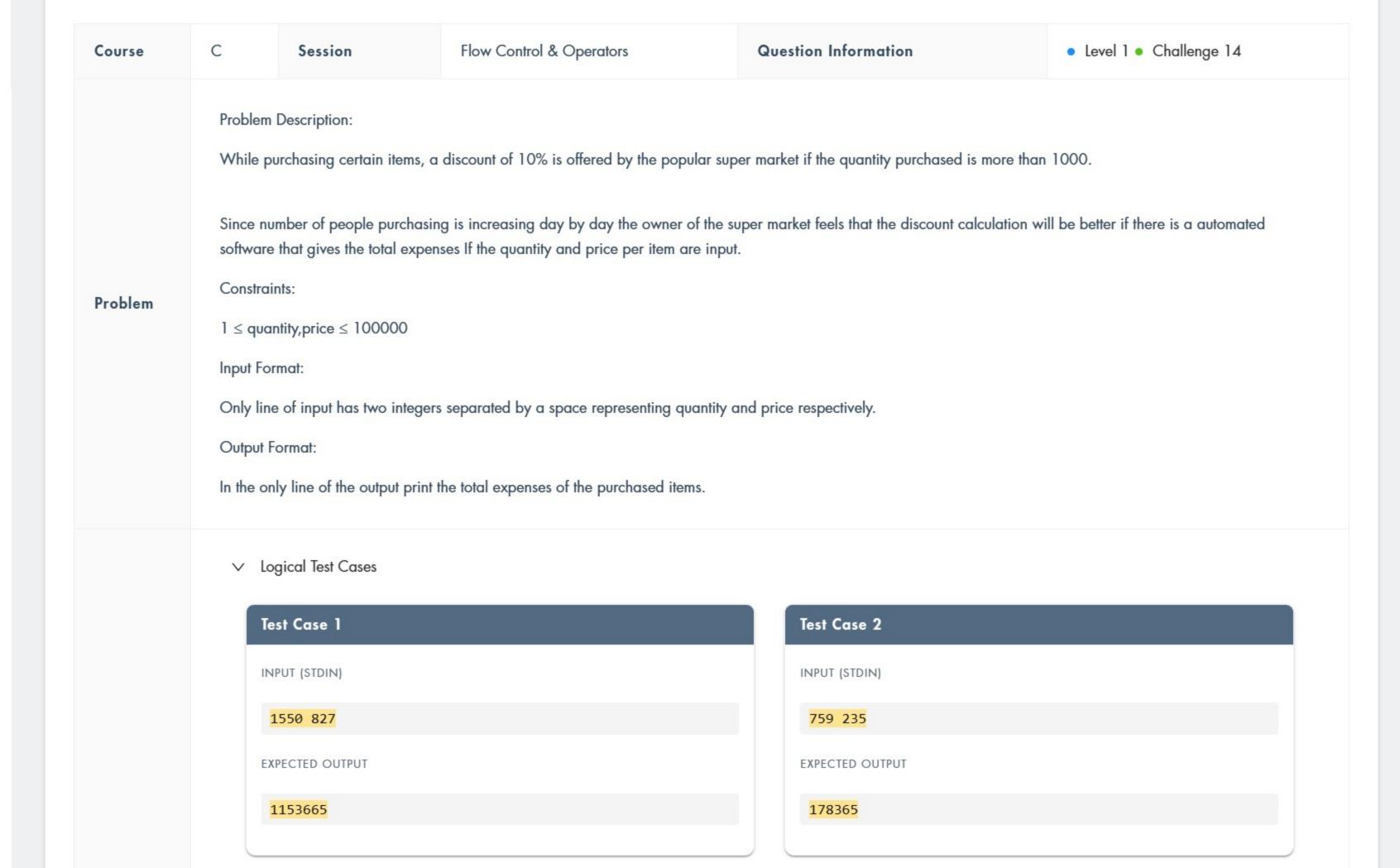




Course	С	Session	Flow Control & Operators	Question Information	• Level 1 • Challenge 13
Problem	Arav and they have Both of the Can you Constrain 20≤ and Input For The first The second Coutput It	them like to know the difference of them like to know the difference of the speed ≤ 100 or the speed of the speed ≤ 100 or the speed ≤ 10	erence in speeds between them at different state difference between Arav and Aaron?	milestores earlier and Aaron crossed some milest	tores earlier during their racing, because
		ogical Test Cases		Test Case 2	
		NPUT (STDIN)		INPUT (STDIN)	
		74 51		76 89	

V







• Level 1 • Challenge 15 Flow Control & Operators **Question Information** Course C Session Problem Description: Arulmozhivarman is working in ship. He is responsible for classifying the ship into different classes based on the letterclass ID of the ship. Since Arulmozhivarman is working on the same task over the long period of time he is bored of doing the same work again and again. He will enjoy his time in the ship if has a automated script that can classify the ships into different classes if the letterclass id of the ship is provided. Can you help Arulmozhivarman? Function Description: Use the table below and display the equivalent string class description of the given ID. Ship Class Class ID **Problem BattleShip** B or b Cruiser Corc D or d Destroyer F or f Frigate Input Format: Only Line of Input has single character representing the Class ID of the ship. **Output Format:** In the only line of output print the string class description of the given ID. ∨ Logical Test Cases

-
(2)



Question Information Session Flow Control & Operators • Level 1 • Challenge 16 Course C Problem Description: Swathi is working in a world famous pizza restaurant. Her manager ordered her to verify the size of the pizza such that it slices forms an exact triangle. She was given 3 values representing three angles of the slices cut down by chefs and she has to find out whether the slice is Valid or Not. Can you help her in finding it? Constraints: 30 <=angle 1 <= 90, **Problem** 30 <=angle2<=90, 30<=angle3<=90 Note: The Pizza Slice is Valid only if the sub of all the angle of the slice is equal to 180 degree. Input Format: Single line has three integer values separated by space representing three angles of the pizza slice Output Format: Print as "Pizza Slice is Valid" or "Pizza Slice is Not Valid" accordingly. ∨ Logical Test Cases

Problem Description:	
Agathiyan is the Chief In charge for carrying out World Economic Survey in India.	
As a part of survey his team have collected the salaries of the citizens of India.	
The Salaries of different people are in different number of digits.	
Now Agathiyan would like to classify the earnings of the citizen based on the number of digits of his/her salary into 5 different categories as follows:	
1.Insufficient Earning	
2. Very Low Earning	
3.Low Earning	
4.Sufficient Earning	
5.High Earning	
Can you help him do the above classification if he gives the salary of the particular person to you as input?	
Constraints:	
0≤N≤1000000	
Input Format:	
Only line of input will contain the number N.	
Output Format:	
Print "Insufficient Earning" if N is a 1 digit number.	
Print "Very Low Earning" if N is a 2 digit number.	
Print "Low Earning" if N is a 3 digit number.	
Print "Sufficient Earning" if N has more than 4 digits.	
Print "High Earning" if N has more than 4 digits.	

Problem

Refer Sample testcases.

A

Session Flow Control & Operators

Question Information

• Level 1 • Challenge 18

Problem Description:

C

Rohit has 'A' Chocolates and Mohit has 'B' Chocolates.

Rohit will do the following action 'K' times.

If Rohit has one or more Chocolates, eat one of his Chocolates.

Otherwise, if Mohit has one or more Chocolates, eat one of Mohit's Chocolates.

If they both have no Chocolates, do nothing.

Problem

Course

Constraints:

0 <= A <= 10^12

 $0 \le B \le 10^{12}$

0 <= K <= 10^12

All values in input are integers.

Input Format:

Only line of input has three integers A B K separated by as space

Output Format:

Print the numbers of Chocolates Rohit and Mohit have respectively after K actions

Logical Test Cases



Test Case 2

INPUT (STDIN)

173 93 39



Course	С	Session	Flow Control & Operators	Question Information	• Level 1 • Challenge 19
Problem	The head The two attacked The modern The period of the two attacked The period of the two attacked The period of the two attacked The modern The period of the two attacked The	alth and strength of possible monsters will take or's strength. Sonsters keep attacking a strength the monster monsters in the monster materials. B, C, D ≤ 50 Format: Format:	turns attacking, in the order Amit's, Arun's, A g until the health of one monster becomes 0 or er whose health becomes 0 or below loses, and	I those of Arun's monster are C and D, respecti mit's, Arun's, Here, an attack decreases the or below.	opponent's health by the value equal to the
	_	ogical Test Cases		Test Case 2	
		NPUT (STDIN)		INPUT (STDIN)	
		46 14 40 23		36 11 29 9	
		EXPECTED OUTPUT		EXPECTED OUTPUT	

	С	Session	Flow Control & Operators	Question Information	• Level 1 • Challenge 20	
Problem	Problem Description: A triple of numbers is said to be poor when two of those numbers are equal but the other number is different from those two numbers. You will be given three integers A, B, and C. Constraints: 1 <= A, B, and C <= 50 Input Format: Only line of input has three integers A B C separated by a space. Output Format: Print the output in a single line If the given triple is poor, print Yes; otherwise, print No.					
		Logical Test Cases Test Case 1		Test Case 2		
		INPUT (STDIN)		INPUT (STDIN)		
		23 18 34		39 28 39		
		EXPECTED OUTPUT		EXPECTED OUTPUT		
		No				