Structure related problems (Total # questions)

No.	Problem statement	Difficulty level
1	Declare a structure of students with three member variables (name, id and cgpa), where name is a string and id are strings, and cgpa is a float value.	*
2	Declare a structure of students with three member variables (name, id and cgpa), where name is a string and id are strings, and cgpa is a float value with default value s.	*
3	Given a structure student , which has three member variables (name, id and cgpa), declare a variable of structure student .	*
4	Given a structure student , which has three member variables (name, id and cgpa), declare a variable of structure student . Display the value of the member variables.	*
5	Given a structure student , which has three member variables (name, id and cgpa), declare a variable of structure student . Assign values to the member variables.	*
6	Given a structure student , which has three member variables (name, id and cgpa), declare a variable of structure student . Populate the member variables from the keyboard.	*

Declare a structure of students with three variables (name, id and cgpa). Take information of two 7 students as input and show the output. Sample Input Sample Output Shakib Al Hasan Shakib Al Hasan 101 101 3.5 3.5 Tamim Iqbal Tamim Iqbal 102 102 2.7 2.7 8 Declare a structure of students with three variables (name, id and cgpa). Now take the input of two students and print the information of that student who has the higher cgpa. Sample Input Sample Output Shakib Al Hasan Shakib Al Hasan 101 101 3.5 3.5 Tamim Iqbal 102 2.7

Sample Input	Sample Output]	
	Sumple Gatpat	_	
Shakib Al Hasan	Shakib Al Hasan		
101	101		
3.5	3.5		
Tamim Iqbal			
102			
2.7			
•	height)/2]		
Sample Input	Sample Output		

1	Area of 1 = 20	
5	Area of 2 = 12	
8	Area of 3 = 6	
2		
4		
6		
3		
3		
4		

You have to declare a structure named triangle. triangle_id, base and height are the members of this structure. Now you will have to take input of three triangles and find out which triangle has the maximum area using a function.

[Triangle Area = (base*height)/2]

Sample Input	Sample Output
1	Area of 1 = 20
5	
8	
2	
4	
6	
3	
3	
4	

**

* *

- 1. Player's name
- 2. Player's country
- 3. Array(size 3) to store runs of 3 matches
- 4. Array(size 3) to store wickets of 3 matches
- 5. Array(size 3) to store points of 3 matches

Count points using the following formula:

- 1. Each wicket = 12 points
- 2. Runs <=25 in a match = 5 points
- 3. 25< Runs<=50 in a match = 10 points
- 4. 50< Runs<=75 in a match = 15 points
- 5. 75< Runs in a match = 20 points

Now, take input of two players and calculate the points for each player for all the three matches.

Sample Input	Sample Output

I	1		
Shakib Al Hasan	Match 1:		
Bangladesh	Shakib Al Hasan points: 17		
20	Tamim Iqbal points: 20		
75	Match 2:		
103	Shakib Al Hasan points: 27		
1	Tamim Iqbal points: 20		
1	Match 3:		
5	Shakib Al Hasan points: 80		
	Tamim Iqbal points: 5		
Tamim Iqbal			
Bangladesh			
100			
109			
17			
0			
0			
0			

The Tigers have clinched a stunning victory over their rivals recently. In that series of three matches, some players put up some amazing performances. Now you have to create a

structure named player where you have to store the following information of each player:

- 1. Player's name
- 2. Player's country
- 3. Array(size 3) to store runs of 3 matches
- 4. Array(size 3) to store wickets of 3 matches
- 5. Array(size 3) to store points of 3 matches

Count points using the following formula:

- 1. Each wicket = 12 points
- 2. Runs <=25 in a match = 5 points
- 3. 25< Runs<=50 in a match = 10 points
- 4. 50< Runs<=75 in a match = 15 points
- 5. 75< Runs in a match = 20 points

Now, take input of two players and calculate the points for each player for all the three matches. And also find man of the match(MOM) for each match based on their points and find out the man of the series on more points overall.

Sample Input	Sample Output
ounipro inipat	

I	ı I		
Shakib Al Hasan	Match 1:		
Bangladesh	Shakib Al Hasan points: 17		
	Tamim Iqbal points: 20		
20	MOM : Tamim Iqbal		
75	Match 2:		
103	Shakib Al Hasan points: 27		
1	Tamim Iqbal points: 20		
	MOM : Shakib Al Hasan		
1			
5	Match 3:		
	Shakib Al Hasan points: 80		
	Tamim Iqbal points: 5		
Tamim Iqbal	MOM : Shakib Al Hasan		
Bangladesh			
100	Man of the Series: Shakib Al Hasan		
109			
17			
0			
0			
0			