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.	*

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	
Declare a structure of s			
Declare a structure of sinput of two students a		rmation of that stud	KE LITE
input of two students a	and print the info	rmation of that stud utput	KE LITE
Sample Input	and print the info Sample O	rmation of that stud utput	KE LITE
Sample Input Shakib Al Hasan	Sample O	rmation of that stud utput	KE LITE
Sample Input Shakib Al Hasan 101	Sample O Shakib Al	rmation of that stud utput	KE LITE
Sample Input Shakib Al Hasan 101 3.5	Sample O Shakib Al	rmation of that stud utput	KE LITE

Sample Input	Sample Output	
Shakib Al Hasan	Shakib Al Hasan	
101	101	
3.5	3.5	
Tamim Iqbal		
102		
2.7		
	•	
members of this struct the area of each triang	ure. Now you will have to take input of three triangles an le.	: tile
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members of this struct the area of each triang [Triangle Area = (base*	ure. Now you will have to take input of three triangles an le. height)/2]	

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

Area of 1 = 20

5

8

1	l I		
Shakib Al Hasan	Match 1:		
Bangladesh	Shakib Al Hasan points: 17		
	Tamim Iqbal points: 20		
20			
75	Match 2:		
103	Shakib Al Hasan points: 27		
1	Tamim Iqbal points: 20		
1	Maria 2		
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

Match 1:			
ib Al Hasan points: 17			
m Iqbal points: 20			
MOM : Tamim Iqbal			
ch 2:			
Shakib Al Hasan points: 27			
Tamim Iqbal points: 20			
Л : Shakib Al Hasan			
Match 3:			
ib Al Hasan points: 80			
m Iqbal points: 5			
1 : Shakib Al Hasan			
of the Series: Shakib Al Hasan			
i .			