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	
		ree variables (name, id and cgpa	
Declare a structure of s		ree variables (name, id and cgpa ormation of that student who ha	J. NOW take the
Declare a structure of sinput of two students a	and print the info	ree variables (name, id and cgpa ormation of that student who ha Output	J. NOW take the
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Shakib Al Hasan 101 3.5 Tamim Iqbal 102 2.7 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 the area of each triangle. [Triangle Area = (base*height)/2] Sample Input Sample Output	Shakib Al Hasan 101 3.5 Tamim Iqbal 102 2.7 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 the area of each triangle. [Triangle Area = (base*height)/2]	Sample Input	Sample Output	
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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	

**

- 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.

ple Output
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Match 1:
Shakib Al Hasan points: 17
Tamim Iqbal points: 20
Match 2:
Shakib Al Hasan points: 27
Tamim Iqbal points: 20
Match 3:
Shakib Al Hasan points: 80
Tamim Iqbal points: 5

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

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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
	Tamim Iqbal points: 20
	MOM : Shakib Al Hasan
1	
5	Match 3:
	Shakib Al Hasan points: 80
Tamim Iqbal	Tamim Iqbal points: 5
	MOM : Shakib Al Hasan
Bangladesh	
100	Man of the Series: Shakib Al Hasan
109	
17	
0	
0	
0	