Practice Set: Structures (8 Problems)-v202

SL		Problem state	ement	Difficulty levels
1.	Write a program (WAP) and prints it.	to take as input the nam	e, student ID and CGPA of a student,	*
	Sample input	S	ample output	
	Mr. A		ame: Mr. A	
	011131144	· ·	tudent ID: 011131144	
	3.86		GPA: 3.86	
2.		-	uctures Room (three integer members: n with maximum area and show it as	*
	Sample input	C.	ample autnut	
	4		ample output 02 4 5	
	101 2 3		J2 4 J	
	101 2 3			
	133 5 2			
	233 1 2			
3.	_		GPA of n students, and print them. functions, call getchar() once.	**
	Sample input	Sample output		
	3	Student 1: Mr.		
	Mr. A	Student ID: 01	1131144	
	011131144	CGPA: 3.86		
	3.86	Student 2: Mr.	В	
	Mr. B	Student ID: 01	1131155	
	011131155	CGPA: 3.76		
	3.76	Student 3: Mr.		
	Mr. C	Student ID: 01	1131166	
	011131166	CGPA: 3.66		
	3.66			
4.	WAP to take as input the	2D coordinates (v. v.) of	f two points and calculate the distance	*
-10	between them.	22 coordinates (A,y) of	the points and earenate the distance	
	Sample input	S	ample output	
	00		he distance is 5.00 unit	
	3 4			
	12	T	he distance is 1.41 unit	
	$\begin{bmatrix} 1 & 2 \\ 2 & 3 \end{bmatrix}$	1.	are distance is 1.11 unit	
1			I	1

Sample input	Sample output
0 0	The area is 6.00 unit
0 3	
3 4	
0 0	They are in the same line
23	
8 12	
WAP to take as input the real a form.	and imaginary parts of a complex number, and print it in a+bi
TOTHI.	
C1	C1
Sample input	Sample output
5 6	5.00+6.00i
5 6 5 -6	
5 6 5 -6 WAP to take as input two comparisons Sample input 3 4	5.00+6.00i 5.00-6.00i
5 6 5 -6 WAP to take as input two com Sample input	5.00+6.00i 5.00-6.00i plex numbers, and add and subtract them. Sample output
Sample input 3 4 5 -2	5.00+6.00i 5.00-6.00i
Sample input WAP to take as input two compositions Sample input 3 4 5-2 WAP to take as input the meter in meter and in centimeter. Sample input	5.00+6.00i 5.00-6.00i
Sample input 3 4 5 -2 WAP to take as input two comments WAP to take as input the meter in meter and in centimeter.	5.00+6.00i 5.00-6.00i