Structure Related Problems

(Total 13 questions)

SL		Problem statement	Difficulty levels	
1.	Write a program (WAP) to take as input the name, student ID and CGPA of a student, and prints it.			
	Sample input	Sample output		
	Mr. A	Name: Mr. A		
	011131144	Student ID: 011131144		
	3.86	CGPA: 3.86		
2.	WAP to take as input names,	student IDs and CGPA of n students, and print them.	*	
	Sample input	Sample output		
	3	Student 1: Mr. A		
	Mr. A	Student ID: 011131144		
	011131144	CGPA: 3.86		
	3.86	Student 2: Mr. B		
	Mr. B	Student ID: 011131155		
	011131155	CGPA: 3.76		
	3.76	Student 3: Mr. C		
	Mr. C	Student ID: 011131166		
	011131166 3.66	CGPA: 3.66		
3.	WAP to take as input the 2D of between them.	coordinates (x,y) of two points and calculate the distance	*	
	Sample input	Sample output		
	0 0	The distance is 5.00 unit		
	3 4			
	12 23	The distance is 1.41 unit		

-		Compale contract	
	Sample input	Sample output	
	00	The area is 6.00 unit	
	34		
-	00	They are in the same line	
	23	They are in the same line	
	8 12		
١	NAP to take as input the real	and imaginary parts of a complex number, and print it in a+bi	*
	orm.		
	Sample input	Sample output	
	5 6	5.00+6.00i	
	5 -6	5.00-6.00i	
	Sample input	Sample output	
	3 4	Modulus = 5.0000 Argument = 0.9272	
			*
		Argument = 0.9272	*
	NAP to take as input two com	Argument = 0.9272 plex numbers, and add and subtract them.	*
	NAP to take as input two com	Argument = 0.9272 plex numbers, and add and subtract them. Sample output	*
\	WAP to take as input two com Sample input 3 4 5 -2	Argument = 0.9272 plex numbers, and add and subtract them. Sample output (3+4i)+(5-2i)=8+2i	**
\	WAP to take as input two com Sample input 3 4 5 -2	Argument = 0.9272 Iplex numbers, and add and subtract them. Sample output (3+4i)+(5-2i)=8+2i (3+4i)-(5-2i)=-2+6i	
	NAP to take as input two com Sample input 3 4	Argument = 0.9272 plex numbers, and add and subtract them. Sample output (3+4i)+(5-2i)=8+2i	

Sample input	Sample output	
3 4	(3+4i)/(5-2i) = 0.24+0.89i	
5 -2	(,	
WAP to take as input the n	neter and centimeter components of a length, and show the timeter.	*
Sample input	Sample output	
3 15	Length in meter: 3.15	
	Length in centimeter: 315	
	ing total meter and centimeter length. (e.g. to add 3m 33cm and	
Sample input	3.33m and 7.7m. You have to add the components individually) Sample output	
	3.33m and 7.7m. You have to add the components individually)	
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in	3.33m and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter our, minute and second components of a time interval, and shown minute and in second.	**
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in	3.33m and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter our, minute and second components of a time interval, and show a minute and in second. Sample output	**
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in	3.33m and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter our, minute and second components of a time interval, and shown minute and in second. Sample output Time interval in hour: 3.76	**
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in	3.33m and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter our, minute and second components of a time interval, and show a minute and in second. Sample output	**
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in Sample input 3 45 48 WAP to take as input the h	3.33m and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter Tour, minute and second components of a time interval, and show a minute and in second. Sample output Time interval in hour: 3.76 Time interval in minute: 225.80	**
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in Sample input 3 45 48 WAP to take as input the h find out their difference (a	Sample output The sum is 11 meter 3 centimeter Tour, minute and second components of a time interval, and show in minute and in second. Sample output Time interval in hour: 3.76 Time interval in minute: 225.80 Time interval in second: 13584 Tour, minute and second components of two times of a day, and ssume the latest time is given first).	
Sample input 3 33 7 70 WAP to take as input the h the time interval in hour, in Sample input 3 45 48 WAP to take as input the h	3.33m and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter Tour, minute and second components of a time interval, and show a minute and in second. Sample output Time interval in hour: 3.76 Time interval in minute: 225.80 Time interval in second: 13584	