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, s	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	CGPA: 3.66	
	3.66		
3.	WAP to take as input the 2D c between them.	oordinates (x,y) of two points and calculate the distance	*
	Sample input	Sample output	
	00	The distance is 5.00 unit	
	3 4		
	12	The distance is 1.41 unit	

the same line".		
Sample input	Sample output	
00	The area is 6.00 unit	
03		
3 4		
00	They are in the same line	
23		
8 12		
/		
WAP to take as input the real form.	and imaginary parts of a complex number, and print it in a+bi	*
Sample input	Sample output	
5 6	5.00+6.00i	
5 -6	F 00 C 00:	
WAP to take as input the real modulus and argument.	and imaginary parts of a complex number, and calculate its	**
WAP to take as input the real		**
WAP to take as input the real modulus and argument. Sample input 3 4 WAP to take as input two com	Sample output Modulus = 5.0000 Argument = 0.9272	**
WAP to take as input the real modulus and argument. Sample input 3 4 WAP to take as input two com	Sample output Modulus = 5.0000 Argument = 0.9272 Sample output Sample output Argument = 0.9272	
WAP to take as input the real modulus and argument. Sample input 3 4 WAP to take as input two com Sample input 3 4	Sample output Modulus = 5.0000 Argument = 0.9272 Sample output Iplex numbers, and add and subtract them. Sample output (3+4i)+(5-2i)=8+2i	
WAP to take as input the real modulus and argument. Sample input 3 4 WAP to take as input two com	Sample output Modulus = 5.0000 Argument = 0.9272 Sample output Sample output Argument = 0.9272	
WAP to take as input the real modulus and argument. Sample input 3 4 WAP to take as input two com Sample input 3 4 5 -2 WAP to take as input two com	Sample output Modulus = 5.0000 Argument = 0.9272 Sample output Oplex numbers, and add and subtract them. Sample output (3+4i)+(5-2i)=8+2i (3+4i)-(5-2i)=-2+6i	*
WAP to take as input the real modulus and argument. Sample input 3 4 WAP to take as input two com Sample input 3 4 5 -2	Sample output Modulus = 5.0000 Argument = 0.9272 Sample output Iplex numbers, and add and subtract them. Sample output (3+4i)+(5-2i)=8+2i (3+4i)-(5-2i)=-2+6i	***

Sample input	Sample output
3 4	(3+4i)/(5-2i) = 0.24+0.89i
5 -2	, ", "
WAP to take as input the mete	er and centimeter components of a length, and show the
ength in meter and in centime	eter.
Sample input	Sample output
3 15	Length in meter: 3.15
	Length in centimeter: 315
heir sum without calculating	ths as their meter and centimeter components, and calculate total meter and centimeter length. (e.g. to add 3m 33cm and
heir sum without calculating	•
their sum without calculating 7m 70cm, you cannot add 3.33 Sample input 3 33	total meter and centimeter length. (e.g. to add 3m 33cm and 3m and 7.7m. You have to add the components individually)
their sum without calculating 7m 70cm, you cannot add 3.33	total meter and centimeter length. (e.g. to add 3m 33cm and 3m and 7.7m. You have to add the components individually) Sample output
cheir sum without calculating 7m 70cm, you cannot add 3.33 Sample input 3 33 7 70	Sample output The sum is 11 meter 3 centimeter The sum is 11 meter 3 centimeter
their sum without calculating 7m 70cm, you cannot add 3.33 Sample input 3 33 7 70 WAP to take as input the hour,	Sample output The sum is 11 meter 3 centimeter minute and second components of a time interval, and show
heir sum without calculating of 70 m 70 cm, you cannot add 3.33 Sample input 3 33 7 70 VAP to take as input the hour, he time interval in hour, in mi	Sample output The sum is 11 meter 3 centimeter minute and second components of a time interval, and show nute and in second. Sample output Sample output Sample output Sample output Sample output Sample output
Sample input 3 33 7 70 WAP to take as input the hour, the time interval in hour, in mi	Sample output The sum is 11 meter 3 centimeter minute and second components of a time interval, and show nute and in second. Sample output Time interval in hour: 3.76
cheir sum without calculating 7m 70cm, you cannot add 3.33 Sample input 3 33 7 70 WAP to take as input the hour, the time interval in hour, in mi	sm and 7.7m. You have to add the components individually) Sample output The sum is 11 meter 3 centimeter minute and second components of a time interval, and show nute and in second. Sample output Time interval in hour: 3.76 Time interval in minute: 225.80
cheir sum without calculating 7m 70cm, you cannot add 3.33 Sample input 3 33 7 70 WAP to take as input the hour, the time interval in hour, in mi	Sample output The sum is 11 meter 3 centimeter minute and second components of a time interval, and show nute and in second. Sample output Time interval in hour: 3.76
Sample input WAP to take as input the hour, the time interval in hour, in mi Sample input 3 45 48	total meter and centimeter length. (e.g. to add 3m 33cm and 3m and 7.7m. You have to add the components individually) Sample output
Sample input NAP to take as input the hour, the time interval in hour, in mi Sample input 3 45 48 WAP to take as input the hour, in mi Output NAP to take as input the hour, in mi Sample input 3 45 48	Sample output Time interval in hour: 3.76 Time interval in minute: 225.80 Time interval in second: 13584 minute and second components of two times of a day, and ne the latest time is given first).
Sample input WAP to take as input the hour, the time interval in hour, in mi Sample input 3 45 48	total meter and centimeter length. (e.g. to add 3m 33cm and 3m and 7.7m. You have to add the components individually) Sample output