Array related problems (total 21 questions)

SL	Problem statement		Difficulty levels
1.	WAP that will take n integer numbers into an array, and then print all the integers into reverse order (from the last valid index to index 0).		*
	Sample input	Sample output	
	5 1 2 3 4 5	5 4 3 2 1	
	6 2 8 3 9 0 1	1 0 9 3 8 2	
2.	WAP that will take n integer numbers in that array.	to an array, and then sum up all the integers in	*
	Sample input	Sample output	
	5 1 2 3 4 5	15	
	6 2 8 3 9 0 1	23	
3.	array.		
	Sample input 5	Sample output 6	
	1 2 3 4 5 6 2 8 3 9 0 1	10	
4.	WAP that will take n floating point number numbers.	rs into an array, and then find the average of those	*
	Sample input	Sample output	
	5 1.2 5.6 10.3 4.5 5.2	5.36	
	8 2.1 8.3 3.7 9.2 0.6 1.5 6.4 10.1	8.38	
5.	WAP that will take n integer numbers in integers in that array.	nto an array, and then sum up all the even indexed	*

Sample input	Sample output
5	9
1 2 3 4 5	
6	5
2 8 3 9 0 1	
array and put the sum of the s	umbers in an array, n different integer numbers in a same indexed numbers from the two arrays in a third
array and put the sum of the s Sample input	ame indexed numbers from the two arrays in a third Sample output
Sample input 5	ame indexed numbers from the two arrays in a third
array and put the sum of the s Sample input	ame indexed numbers from the two arrays in a third Sample output
Sample input 5 12345	ame indexed numbers from the two arrays in a third Sample output
Sample input 5 12345 28348	Sample output 3 10 6 8 13

7.	WAP that will take n integer numbers into an array, and then reverse all the integers
	within that array. Finally print them all from 0 index to last valid index.

Sample input	Sample output	
5	5 4 3 2 1	
1 2 3 4 5		
6	1 0 9 3 8 2	
283901		

8. WAP that will take n integer numbers into an array, and then find the maximum - minimum among them with its index position.

Sample input	Sample output
5	Max: 5, Index: 4
1 2 3 4 5	Min: 1, Index: 0
6	Max: 9, Index: 3
283901	Min: 0, Index: 4

9. WAP that will take n alphabets into an array, and then count number of vowels in that array.

Sample input	Sample output	
7	Count: 5	
AKIOUEH		
29	Count: 13	
UNITEDINTERNATIONALUNIVE	ERSITY	
WAP that will take n integers in	nto an array, and then search a number into that array. If	*
	it found then print "NOT FOUND".	
·	•	
Sample input	Sample output	
8	FOUND at index position: 3, 7	
78132643		
3		
8	NOT FOUND	
78132643		
5		
9		
	nto an array A and then conv all numbers in reverse order	*
WAP that will take n integers in	nto an array A, and then copy all numbers in reverse order	r *
WAP that will take n integers in	nto an array A, and then copy all numbers in reverse order B. Finally show all elements of both array A and B.	r *
WAP that will take n integers in		r *
WAP that will take n integers in from array A to another array B	3. Finally show all elements of both array A and B.	r *

Sample input	Sample output
8	Array A: 78132643
78132643	Array B: 3 4 6 2 3 1 8 7
3	Array A: 321
3 2 1	Array B: 123

WAP that will take n integer numbers as input in an array and then insert a number in a position specified by the user in the array.

Sample input	Sample output	
10	9 11 34 23 78 16 15 2 37 89 54	
9 11 34 23 16 15 2 37 89 54		
number: 78 position: 4		
5	16 32 14 9 48 6	
32 14 9 48 6		
number: 16 position: 0		

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WAP that will take n integer numbers as input in an array and then delete a number from **13**. a position specified by the user in the array.

Sample input	Sample output		
10	9 11 34 23 15 2 37 89 54		
9 11 34 23 16 15 2 37 89 54			
position: 4			

	5	14 9 48 6	
	32 14 9 48 6	14 3 40 0	
	position: 0		
14.	<u> </u>	ray A and then m integers into array B. Now	**
	WAP that will first take n integers into an array A and then m integers into array B. Now swap all elements between array A and B. Finally show all elements of both array A and B.		
	swap an elements between array A and B. Thiany show an elements of both array A and B.		
	Sample input	Sample output	
	8	Array A : 3 2 1	
	78132643	Array B: 78132643	
	3	,	
	321		
15.		n array A. Now find all the integers that are	*
	divisible by 3 and replace them by -1 in array A. Finally show all elements of array A.		
	Comple in most	Commis autout	
	Sample input	Sample output	
	8	781-12-14-1	
	78132643	101	
	3	-121	
	321		
16.	WAP that will take n positive integers into a	n array A. Now find all the integers that have	
	an odd index and replace them by 0 in array		
	, ,	,	
	Sample input	Sample output	
	8	70102040	
	78132643		
	3	301	
	321		
	011		
17.	WAP that will take n integers into an array n	A. Now sort them in ascending order within	***
	that array. Finally show all elements of arra		
	Reference: http://en.wikipedia.org/wiki/Bubbl	•	
	Sample input	Sample output	
	8	1 2 3 3 4 6 7 8	
	78132643		
	3	1 2 3	
	3 2 1		
			I

Sample input	Sample output	
8	281364	
28132643		
3	3	
3 3 3	6789	_
6789	0703	
WAP that will take n integers in the intersection (set operation)	nto array A and m positive integers into array B. Now find	**
Sample input	Sample output	\neg
8	1 2 6 3	
78152643		
6		
136092	Empty set	
123	Limpty Set	
2		
4 5		_
WAP that will take n integers in find the union (set operation)	nto an array A and m positive integers into array B. Now of array A and B.	**
Sample input	Sample output	\exists
8	7815264309	
78152643		
6 136092		
3	12345	
123		
123		

WAP that will take n integers into an array A and m positive integers into array B. Now find the difference (set operation) of array A and B or (A-B).

Sample input	Sample output
8	7854
78152643	
6	
136092	
3	123
123	
2	
4 5	

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