Array related problems (total 21 questions)

SL	Problem statement		Difficulty levels	
1.	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 int 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.	WAP that will take n integer numbers into a array.	n array, and then sum up all the even integers in that	*	
	Sample input	Sample output		
	5 1 2 3 4 5	6		
	6 2 8 3 9 0 1	10		
4.	WAP that will take n floating point numbers into an array, and then find the average of those numbers.			
	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 int integers in that array.	to an array, and then sum up all the even indexed	*	

Sample input	Sample output	
5	9	
1 2 3 4 5		
6	5	
283901		
	mbers in an array, n different integer numbers in a secame indexed numbers from the two arrays in a third an	
array and put the sum of the sa	ame indexed numbers from the two arrays in a third an	
array and put the sum of the sa	ame indexed numbers from the two arrays in a third and the state of th	
sample input 5	ame indexed numbers from the two arrays in a third an	
Sample input 5 12345	ame indexed numbers from the two arrays in a third and the state of th	
Sample input 5 12345 28348	Sample output 3 10 6 8 13	
Sample input 5 12345	ame indexed numbers from the two arrays in a third and the state of th	

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	
2 8 3 9 0 1	Min: 0, Index: 4	

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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
UNITEDINTERNATIONALUNI	VERSITY
). WAP that will take n integers	into an array, and then search a number into that array. If
	into an array, and then search a number into that array. If not found then print "NOT FOUND".
	• •
	• •
found then print its index. If n	not found then print "NOT FOUND".
found then print its index. If n	oot found then print "NOT FOUND". Sample output
found then print its index. If n Sample input 8	oot found then print "NOT FOUND". Sample output
found then print its index. If n Sample input 8 78132643	oot found then print "NOT FOUND". Sample output
found then print its index. If n Sample input 8 78132643 3	Sample output FOUND at index position: 3, 7

	Sample input	Sample output	
	8	Array A: 78132643	
	78132643	Array B: 3 4 6 2 3 1 8 7	
	3	Array A : 3 2 1	
	321	Array B : 1 2 3	
2.	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 16 15 2 37 89 54 number: 78 position: 4	9 11 34 23 78 16 15 2 37 89 54	
	-	46 22 44 0 40 6	
•	5 32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the	rs as input in an array and then delete a number from the array.	*
•	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the sample input 10	rs as input in an array and then delete a number from	*
•	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the sample input 10 9 11 34 23 16 15 2 37 89 54	rs as input in an array and then delete a number from ne array. Sample output	*
	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4	rs as input in an array and then delete a number from ne array. Sample output 9 11 34 23 15 2 37 89 54	*
-	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5	rs as input in an array and then delete a number from ne array. Sample output	*
•	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4	rs as input in an array and then delete a number from ne array. Sample output 9 11 34 23 15 2 37 89 54	*
	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the Sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5 32 14 9 48 6 position: 0 WAP that will first take n integers in	rs as input in an array and then delete a number from ne array. Sample output 9 11 34 23 15 2 37 89 54	**
	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the Sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5 32 14 9 48 6 position: 0 WAP that will first take n integers in	rs as input in an array and then delete a number from he array. Sample output 9 11 34 23 15 2 37 89 54 14 9 48 6 to an array A and then m integers into array B. Now and B. Finally show all elements of both array A and B. Sample output	
·-	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer number a position specified by the user in the sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5 32 14 9 48 6 position: 0 WAP that will first take n integers in swap all elements between array A Sample input 8	rs as input in an array and then delete a number from he array. Sample output 9 11 34 23 15 2 37 89 54 14 9 48 6 to an array A and then m integers into array B. Now and B. Finally show all elements of both array A and B. Sample output Array A: 3 2 1	
	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the Sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5 32 14 9 48 6 position: 0 WAP that will first take n integers in swap all elements between array A Sample input 8 7 8 1 3 2 6 4 3	rs as input in an array and then delete a number from he array. Sample output 9 11 34 23 15 2 37 89 54 14 9 48 6 to an array A and then m integers into array B. Now and B. Finally show all elements of both array A and B. Sample output	
	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer number a position specified by the user in the sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5 32 14 9 48 6 position: 0 WAP that will first take n integers in swap all elements between array A Sample input 8 7 8 1 3 2 6 4 3 3	rs as input in an array and then delete a number from he array. Sample output 9 11 34 23 15 2 37 89 54 14 9 48 6 to an array A and then m integers into array B. Now and B. Finally show all elements of both array A and B. Sample output Array A: 3 2 1	
	32 14 9 48 6 number: 16 position: 0 WAP that will take n integer numbe a position specified by the user in the Sample input 10 9 11 34 23 16 15 2 37 89 54 position: 4 5 32 14 9 48 6 position: 0 WAP that will first take n integers in swap all elements between array A Sample input 8 7 8 1 3 2 6 4 3	rs as input in an array and then delete a number from he array. Sample output 9 11 34 23 15 2 37 89 54 14 9 48 6 to an array A and then m integers into array B. Now and B. Finally show all elements of both array A and B. Sample output Array A: 3 2 1	

15.	WAP that will take n positive integers into an 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.		*
	Sample input	Sample output 7 8 1 -1 2 -1 4 -1	
	78132643		
	3 321	-1 2 1	
16.	WAP that will take n positive integers into an array A. Now find all the integers that have an odd index and replace them by 0 in array A. Finally show all elements of array A.		
	Sample input	Sample output	
	8 78132643	70102040	
	3 3 2 1	301	
17.	WAP that will take n integers that array. Finally show all ele Reference: http://en.wikipedia	•	***
17.	that array. Finally show all ele	ements of array A.	***
17.	that array. Finally show all ele Reference: http://en.wikipedia	ements of array A. org/wiki/Bubble_sort	***
17.	that array. Finally show all ele Reference: http://en.wikipedia Sample input 8	ements of array A. org/wiki/Bubble sort Sample output	***

WAP that will take n integers into an array A. Now remove all duplicates numbers from 18. that array. Finally print all elements from that array. Sample input Sample output 281364 28132643 333 6789 4 6789 19. WAP that will take n integers into array A and m positive integers into array B. Now find the intersection (set operation) of array A and B. Sample output Sample input 1263 78152643 136092 3 Empty set 123 2 45 20. WAP that will take n integers into an array A and m positive integers into array B. Now find the union (set operation) of array A and B. Sample input Sample output 7815264309 78152643 136092 12345 123 2 45

21. 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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