Array related problems (total 21 questions)

SL	Prob	lem 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	
	Sample input	Sample output	
	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.	s 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.	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		
	umbers in an array, n different integer numbers in a s	
	umbers in an array, n different integer numbers in a s ame indexed numbers from the two arrays in a third	
	••	
	••	
array and put the sum of the s	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	
array and put the sum of the s Sample input 5	ame indexed numbers from the two arrays in a third Sample output	
Sample input 5 1 2 3 4 5	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.

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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.

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	Sample input	Sample output	
		Count: 5	
	AKIOUEH		
	29	Count: 13	
	UNITEDINTERNATIONALUNIVERSITY		
10.	_	and then search a number into that array. If	*
10.	WAP that will take n integers into an array, found then print its index. If not found then	·	*
10.	_	·	*
10.	_	·	*
10.	found then print its index. If not found then	print "NOT FOUND".	*
10.	found then print its index. If not found then Sample input	print "NOT FOUND". Sample output	*
10.	found then print its index. If not found then Sample input 8	print "NOT FOUND". Sample output	*
10.	found then print its index. If not found then Sample input 8 78132643	print "NOT FOUND". Sample output	*
10.	found then print its index. If not found then Sample input 8 78132643 3	Sample output FOUND at index position: 3, 7	*
10.	found then print its index. If not found then Sample input 8 7 8 1 3 2 6 4 3 3 8	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	
WAP that will take n integer r position specified by the user	numbers as input in an array and then insert a number in a 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	
5 32 14 9 48 6 number: 16 position: 0	16 32 14 9 48 6	
WAP that will take n integer naposition specified by the use	numbers as input in an array and then delete a number from er in the array.	*
Sample input	Sample output	
10 9 11 34 23 16 15 2 37 89 54 position: 4	9 11 34 23 15 2 37 89 54	
5	14 9 48 6	
32 14 9 48 6 position: 0		
position: o	gers into an array A and then m integers into array B. Now rray A and B. Finally show all elements of both array A and B.	**
WAP that will first take n inte	Tray A and B. I many show an elements of both array A and B.	
WAP that will first take n inte	Sample output	ĺ
WAP that will first take n inte swap all elements between a	· · · · · · · · · · · · · · · · · · ·	
WAP that will first take n interswap all elements between a	Sample output	
WAP that will first take n interswap all elements between as Sample input 8 78132643	Sample output Array A: 3 2 1	

that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble sort Sample input 8 78132643 3 123		Sample input	Sample output	
3 3 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		8	781-12-14-1	
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 8 7 0 1 0 2 0 4 0 7 0 1 0 2 0 4 0 3 3 3 3 1 17. WAP that will take n integers into an array A. Now sort them in ascending order within that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble_sort Sample input 8 7 8 1 3 2 6 4 3 3 1 2 3 3 4 6 7 8		78132643		
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 8		3	-1 2 1	
an odd index and replace them by 0 in array A. Finally show all elements of array A. Sample input		3 2 1		
an odd index and replace them by 0 in array A. Finally show all elements of array A. Sample input				
7 0 1 0 2 0 4 0 7 8 1 3 2 6 4 3 3 3 0 1 3 1 2 1 *** WAP that will take n integers into an array A. Now sort them in ascending order within that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble sort Sample input 8 7 8 1 3 2 6 4 3 3 1 2 3 3 4 6 7 8	16.	-	· · · · · · · · · · · · · · · · · · ·	
7 0 1 0 2 0 4 0 7 8 1 3 2 6 4 3 3 3 0 1 17. WAP that will take n integers into an array A. Now sort them in ascending order within that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble sort Sample input 8 7 8 1 3 2 6 4 3 1 2 3 3 4 6 7 8 7 8 1 3 2 6 4 3 3 1 2 3		Sample input	Sample output	7
3 3 2 1 17. WAP that will take n integers into an array A. Now sort them in ascending order within that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble_sort Sample input 8 7 8 1 3 2 6 4 3 3 1 2 3				1
17. WAP that will take n integers into an array A. Now sort them in ascending order within that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble_sort Sample input 8 1 2 3 3 4 6 7 8 78 1 3 2 6 4 3 3 1 2 3		78132643		
T7. WAP that will take n integers into an array A. Now sort them in ascending order within that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble sort Sample input 8 1 2 3 3 4 6 7 8 7 8 1 3 2 6 4 3 3 1 2 3		3	301	
that array. Finally show all elements of array A. Reference: http://en.wikipedia.org/wiki/Bubble sort Sample input 8 78132643 3 123		3 2 1		
Reference: http://en.wikipedia.org/wiki/Bubble sort Sample input Sample output 8 1 2 3 3 4 6 7 8 7 8 1 3 2 6 4 3 1 2 3 3 1 2 3	17.			***
8 78132643 3 1 2 3 3 4 6 7 8				
78132643 3 123		Sample input	Sample output	
3 1 2 3		8	1 2 3 3 4 6 7 8	
		1170122612		
				-
3 2 1			1 2 3	1
		3	1 2 3	

Sample input	Sample output	
8	281364	$\exists 1$
28132643		
3	3	
3 3 3		_
4	6789	
6789		
WAP that will take n integers in the intersection (set operation	nto array A and m positive integers into array B. Now find) of array A and B.	**
Sample input	Sample output	
8	1263	
78152643		
6		
136092		_
3	Empty set	
123		
2 4 5		
	nto an array A and m positive integers into array B. Now of array A and B.	**
Sample input	Sample output	
8	7815264309	
78152643		
6		
136092		_
1 3	12345	
3		
123		

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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