## Array related problems (total 21 questions)

SL	Problem statement				
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 n that array.	umbers into 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 an array, and then sum up all the even integers in that array.				
	Sample input 5	Sample output 6			
	1 2 3 4 5 6 2 8 3 9 0 1	10			
4.	numbers.	int numbers 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			
5.	WAP that will take n integer n integers in that array.	umbers into 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	
	nbers in an array, n different integer numbers in a second me indexed numbers from the two arrays in a third array.
I array and but the sum of the sai	ne muexeu numbers irom me two arrays in a umu array.
, .	,
Sample input	Sample output  3 10 6 8 13

Sample input	Sample output	
5	3 10 6 8 13	
12345		
28348		
8	7971794715	
283901610		
51489315		

**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.

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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		
7	Count: 5	11	
AKIOUEH			
29	Count: 13		
UNITEDINTERNATION	IALUNIVERSITY		
	WAP that will take n integers into an array, and then search a number into that array. If found then print its index. If not found then print "NOT FOUND".		
	•	*	
found then print its inc	dex. If not found then print "NOT FOUND".	*	
	•	*	
found then print its ind	dex. If not found then print "NOT FOUND".  Sample output	*	
Found then print its incession and the second secon	dex. If not found then print "NOT FOUND".  Sample output	*	
Sample input 8 78132643	dex. If not found then print "NOT FOUND".  Sample output	*	
Sample input 8 78132643	Sample output FOUND at index position: 3, 7	*	

Sample input	Sample ou	itput	
8	Array A : 7	8132643	
78132643	•	4623187	
3	Array A:3		
321	Array B : 1	23	
WAP that will take n integ position specified by the ι		in an array and then insert a number in a	**
Sample input	Sa	mple output	
10 9 11 34 23 16 15 2 37 89 number: 78 position: 4	9 1	11 34 23 78 16 15 2 37 89 54	
5 32 14 9 48 6	16	32 14 9 48 6	
number: 16 position: 0			
a position specified by the	•	in an array and then delete a number from	
Sample input		Sample output	
10 9 11 34 23 16 15 2 37 89 position: 4	54	9 11 34 23 15 2 37 89 54	
5		14 9 48 6	
32 14 9 48 6			
position: 0			
	•	A and then m integers into array B. Now all elements of both array A and B.	**
Sample input	Sample output		
8	Array A : 3	2 1	
	Array B : 7	8132643	
78132643 3 321	1		

	Sample input	Sample output	
	8	781-12-14-1	
	78132643		
	3	-1 2 1	
	321		
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	70102040	
	78132643		
	3	301	
	321		
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: <a href="http://en.wikipedia.org/wiki/Bubble_sort">http://en.wikipedia.org/wiki/Bubble_sort</a>		
	Sample input	Sample output	
	1 1 1 - 1 1		1
	8	1 2 3 3 4 6 7 8	
		1 2 3 3 4 6 7 8	
	8	1 2 3 3 4 6 7 8	
	8 78132643		
	8 78132643 3		

Sample input	Sample output	1
8 28132643	281364	
3 3 3 3	3	
4 6789	6789	
WAP that will take n integers the intersection (set operation)	s into array A and m positive integers into array B. Now find on) of array A and B.	**
Sample input	Sample output	1
8 78152643 6 136092	1263	
3 123 2 45	Empty set	
WAP that will take n integers find the union (set operation	s into an array A and m positive integers into array B. Now n) of array A and B.	**
Sample input	Sample output	]
8 78152643 6 136092	7815264309	
3 123 2 45	12345	
		1

**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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