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	
3.	array.		
	Sample input 5 1 2 3 4 5	Sample output 6	
	6 283901	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	*

5	9	
1 2 3 4 5		
6	5	
2 8 3 9 0 1		
	s in an array, n different integer numbers in a se	cond
· -	ndexed numbers from the two arrays in a third a	
, ,	·	-
Sample input	Sample output	
5	3 10 6 8 13	
12345		
28348		
8	7 9 7 17 9 4 7 15	
283901610		
51489315		
	<u>'</u>	

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	
	UNITEDINTERNATIONALUNIVERSITY		
10	M/AD that will take a integral into a reconstruction	and there are used a minute that are series. If	*
10.	WAP that will take n integers into an array, a	-	T
	found then print its index. If not found then	print NOT FOUND.	
	Sample input	Sample output	
	8	FOUND at index position: 3, 7	
	78132643		
	3		
	8	NOT FOUND	
	78132643		
	5		

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	
3 2 1	Array B : 1 2 3	
WAP that will take n integer number position specified by the user in the	rs as input in an array and then insert a number in a 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		
a position specified by the user in th Sample input	Sample output	
10	9 11 34 23 15 2 37 89 54	
9 11 34 23 16 15 2 37 89 54	3 11 3 1 23 13 2 3 7 33 3 1	
position: 4		
5	14 9 48 6	
32 14 9 48 6	113100	
position: 0		
	to an array A and then m integers into array B. Now	**
l	and B. Finally show all elements of both array A and B.	
swap all elements between array A a	Sample output	
Sample input	Sample output	
	Array A: 321	
Sample input		
Sample input 8	Array A : 3 2 1	
Sample input 8 78132643	Array A : 3 2 1	
Sample input 8 78132643 3	Array A : 3 2 1	
Sample input 8 78132643 3	Array A : 3 2 1	
Sample input 8 78132643 3	Array A : 3 2 1	
Sample input 8 78132643 3	Array A : 3 2 1	
Sample input 8 78132643 3	Array A : 3 2 1	
Sample input 8 78132643 3	Array A : 3 2 1	

	Sample input	Sample output	
	8	781-12-14-1	
	78132643		
	3	-1 2 1	
	321		
16.	· · · · · · · · · · · · · · · · · · ·	ntegers into an array A. Now find all the integers that have	
	an odd index and replace then	n by 0 in array A. Finally show all elements of array A.	
	Sample input	Sample output	
	8	70102040	
	78132643		
	3	301	
	3 2 1		
	3 2 1		
17.	WAP that will take n integers i	nto an array A. Now sort them in ascending order within	***
17.		· · · · · · · · · · · · · · · · · · ·	***
17.	WAP that will take n integers i	ments of array A.	***
17.	WAP that will take n integers i that array. Finally show all eler Reference: http://en.wikipedia.com/	ments of array A. org/wiki/Bubble_sort	***
17.	WAP that will take n integers i that array. Finally show all eler Reference: <a en.wikipedia.gray"="" href="http://en.wikipedia.com/http://en.wikipe</td><td>ments of array A. org/wiki/Bubble_sort Sample output</td><td>***</td></tr><tr><td>17.</td><td>WAP that will take n integers i that array. Finally show all eler Reference: http://en.wikipedia.gray Sample input 8	ments of array A. org/wiki/Bubble_sort	***
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Sample input	Sample output	
8	281364	
28132643		
3	3	
3 3 3	6789	
6789	0789	
WAP that will take n integers in the intersection (set operation	nto array A and m positive integers into array B. No) of array A and B.	w find **
Sample input	Sample output	
8	1 2 6 3	
78152643		
6		
136092		
3	Empty set	
123		
45		
WAP that will take n integers in find the union (set operation)	nto an array A and m positive integers into array B. of array A and B.	Now **
Sample input	Sample output	
8	7815264309	
78152643		
6		
136092		
3	12345	
123		
1		
2 4 5		

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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