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.	an array, and then sum up all the even integers in that	*	
	Sample input 5	Sample output 6		
	1 2 3 4 5	6		
	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		
array and put the sum of the sa	mbers in an array, n different integer numbers in a seame indexed numbers from the two arrays in a third a	
array and put the sum of the sa	ame indexed numbers from the two arrays in a third a Sample output	
Sample input 5	ame indexed numbers from the two arrays in a third a Sample output	
Sample input 5 1 2 3 4 5	ame indexed numbers from the two arrays in a third a Sample output	
Sample input 5 12345 28348	Sample output 3 10 6 8 13	
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
2 8 3 9 0 1	Min: 0, Index: 4

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

*

San	nple input	Sample output	
7		Count: 5	
AKI	OUEH		
29		Count: 13	
UN	ITEDINTERNATIONALUNIVERSITY		
		and then search a number into that array. If	*
l foun	nd then print its index. If not found then i	print "NOT FOUND".	
	nd then print its index. If not found then		
	nd then print its index. If not found then	Sample output	
San 8		Sample output	
San 8	mple input	Sample output	
S an 8 7 8	mple input	Sample output	
San 8 7 8 3	mple input	Sample output FOUND at index position: 3, 7	
San 8 7 8 3 8	1 3 2 6 4 3	Sample output FOUND at index position: 3, 7	
San 8 7 8 3 8 7 8	1 3 2 6 4 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	
3 2 1	Array B: 123	
WAP that will take n integer number position specified by the user in the	s 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 34 23 13 2 37 83 34	
position: 4		
5	14 9 48 6	
32 14 9 48 6	14 3 40 0	
position: 0		
	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	
Sample input	Array A : 3 2 1	
Sample input 8	7.1.0 / 7.1.0 = 1	
	Array B : 7 8 1 3 2 6 4 3	
8	•	
8 78132643	•	
8 78132643 3	•	

	Sample input	Sample output	
	8	781-12-14-1	
	78132643		
	3	-121	
	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	***
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 1 2 3 3 4 6 7 8</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 Sample output	***

		- I
Sample input	Sample output	11
8	281364	
28132643	3	
333	3	
4	6789	11
6789		
_	nto array A and m positive integers into array B. Now find	**
the intersection (set operation) of array A and B.	_
Sample input	Sample output]]
8 78152643 6 136092	1 2 6 3	
3	Empty set	1
123		
2		
4 5		
WAP that will take n integers in find the union (set operation) of	nto an array A and m positive integers into array B. Now of array A and B.	**
Sample input	Sample output	1
8 78152643 6 136092	7815264309	
3 123	12345	-
2		
1.1]
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	

**