## Array related problems (total 21 questions)

	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 i that array.	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 array.	o an array, and then sum up all the even integers in that	*	
3.		o an array, and then sum up all the even integers in that  Sample output	*	
3.	array.		*	
3.	Sample input 5	Sample output	*	
3.	Sample input  5 1 2 3 4 5 6 2 8 3 9 0 1  WAP that will take n floating point number numbers.	Sample output 6 10 ers into an array, and then find the average of those	*	
	Sample input  5 1 2 3 4 5 6 2 8 3 9 0 1  WAP that will take n floating point number	Sample output 6 10		
	Sample input  5 1 2 3 4 5 6 2 8 3 9 0 1  WAP that will take n floating point number numbers.	Sample output  6  10  ers into an array, and then find the average of those  Sample output  5.36		
	Sample input  5 1 2 3 4 5 6 2 8 3 9 0 1  WAP that will take n floating point number numbers.  Sample input  5	Sample output 6 10 ers into an array, and then find the average of those  Sample output		
	Sample input  5 1 2 3 4 5 6 2 8 3 9 0 1  WAP that will take n floating point number numbers.  Sample input  5 1.2 5.6 10.3 4.5 5.2 8	Sample output  6  10  ers into an array, and then find the average of those  Sample output  5.36		

Sample input	Sample output	
5	9	
1 2 <mark>3 4 5</mark>		
6	5	
2 8 <mark>3</mark> 9 <mark>0</mark> 1		

Wap that will take n integer numbers in an array, n different integer numbers in a second array and put the sum of the same indexed numbers from the two arrays in a third array.

Sample output	
3 10 6 8 13	
7 9 7 17 9 4 7 15	
	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	109382
283901	

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		
	7		
10.	WAP that will take n integers into an array, a	nd then search a number into that array. If	*
	found then print its index. If not found then p	orint "NOT FOUND".	
	Sample input	Sample output	
	8	FOUND at index position: 3, 7	
	781 <mark>3</mark> 264 <mark>3</mark>		
	3		
	8	NOT FOUND	
	78132643		
	5		

	from array A to another array B. Fin	ally show all elements of both array A and B.	
	Sample input	Sample output	
	8	Array A : 7 8 1 3 2 6 4 3	
	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	
		,	
12.	WAP that will take n integer numbe position specified by the user in the	ers 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 <mark>2 3</mark> 7 89 54		
	number: 78 po <mark>sit</mark> ion: 4		
	5	<b>16</b> 32 14 9 48 6	
	32 14 9 48 <mark>6</mark>	_	
	number: 16 position: 0		
13.	WAP th <mark>at w</mark> ill take n integer numbe	rs as input in an array and then delete a number from	*
	a pos <mark>ition</mark> specified by the user in th	ne array.	
	Sample input	Sample output	
	10	9 11 34 23 15 2 37 89 54	
	9 11 34 23 16 15 2 37 89 54		
	position: 4		
	5	14 9 48 6	
	32 14 9 48 6		
	position: 0		
14.	_	ito an array A and then m integers into array B. Now	**
	swap all elements between array A	and B. Finally show all elements of both array A and B.	
	Sample input	Sample output	
	8	Array A: 3 2 1	
	78132643	Array B: 78132643	
	3	,	
	3 2 1		
15.	WAP that will take n positive intege	rs 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	
	8	781-12-14-1	
	78132643		
	3	-121	
	321		
16.	WAP that will take n positive in	tegers into an array A. Now find all the integers that have	
		by 0 in array A. Finally show all elements of array A.	
	Sample input	Sample output	
	8	70102040	
	78132643		
	3	301	
	321		
17.		nto an array A. Now sort them in ascending order within	***
17.	WAP that will take n integers in that array. Finally show all elen	•	***
17.		nents of array A.	***
17.	that array. Finally show all elen	nents of array A.	***
17.	that array. Finally show all elen	nents of array A.	***
17.	that array. Finally show all elen Reference: <a href="http://en.wikipedia.og">http://en.wikipedia.og</a>	nents of array A. org/wiki/Bubble_sort	***
17.	that array. Finally show all elen Reference: <a href="http://en.wikipedia.og">http://en.wikipedia.og</a> <a href="mailto:Sample input">Sample input</a>	nents of array A.  org/wiki/Bubble_sort  Sample output	***
17.	that array. Finally show all elen Reference: <a href="http://en.wikipedia.og">http://en.wikipedia.og</a> Sample input  8	nents of array A.  org/wiki/Bubble_sort  Sample output	***
17.	that array. Finally show all elen Reference: <a href="http://en.wikipedia.org">http://en.wikipedia.org</a> Sample input  8 78132643	Sample output  1 2 3 3 4 6 7 8	***
17.	that array. Finally show all elen Reference: <a href="http://en.wikipedia.org">http://en.wikipedia.org</a> Sample input  8  78132643 3	Sample output  1 2 3 3 4 6 7 8	***
17.	that array. Finally show all elen Reference: <a href="http://en.wikipedia.org">http://en.wikipedia.org</a> Sample input  8  78132643 3	Sample output  1 2 3 3 4 6 7 8	***

Comple innet	Comple outset	
Sample input	Sample output	
8	281364	
28132643		
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 firon) of array A and B.	ıd **
Sample input	Sample output	
8	1 2 6 3	
78152643		
6		
136092		
3	Empty set	
123		
2		
45		
• WAP that will take n integers find the union (set operation	s into 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		
3	12345	
123		
2		
45		
	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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