Array related problems (total 15 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	5 4 3 2 1	
	1 2 3 4 5	1 0 9 3 8 2	
	2 8 3 9 0 1	1 0 3 3 0 2	
2.	WAP that will take n integer numbers into an array, and then sum up all the integers in that array.		
	Sample input	Sample output	
	5 1 2 3 4 5	15	
	6	23	
	2 8 3 9 0 1		
3.	WAP that will take n integer numbers into an in that array.	array, and then sum up all the even integers	*
	Sample input	Sample output	
	5 1 2 3 4 5	6	
	6	10	
	2 8 3 9 0 1		
4.	WAP that will take n integer numbers into an array, and then sum up all the even indexed integers in that array.		
	Sample input	Sample output	
	5 1 2 3 4 5	9	
	6	5	
	2 8 3 9 0 1		

5.	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 1 2 3 4 5	5 4 3 2 1	
	6 2 8 3 9 0 1	1 0 9 3 8 2	
6.	WAP that will take n integer numbers into a minimum among them with its index positio		**
	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	
7.	WAP that will take n alphabets into an array, array.		*
	Sample input	Sample output	
	7 AKIOUEH	Count: 5	
	29 UNITEDINTERNATIONALUNIVERSITY	Count: 13	
8.	WAP that will take n integers into an array, a found then print its index. If not found then	•	*
	Sample input	Sample output	
	8 78132643 3	FOUND at index position: 3, 7	
	8 78132643 5	NOT FOUND	

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	
	egers into an array A and then m integers into array B. Now 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	
	l l	
3		
3 3 2 1 WAP that will take n positive	integers into an array A. Now find all the integers that are em by -1 in array A. Finally show all elements of array A.	*
3 3 2 1 WAP that will take n positive	,	*
WAP that will take n positive divisible by 3 and replace the	em by -1 in array A. Finally show all elements of array A.	*
3 3 2 1 WAP that will take n positive divisible by 3 and replace the Sample input 8	em by -1 in array A. Finally show all elements of array A. Sample output	*
WAP that will take n positive divisible by 3 and replace the Sample input 8 7 8 1 3 2 6 4 3	Sample output 781-12-14-1	*
WAP that will take n positive divisible by 3 and replace the Sample input 8 78132643 3 321 WAP that will take n integers that array. Finally show all el	Sample output 7 8 1 -1 2 -1 4 -1 -1 2 1 s into an array A. Now sort them in ascending order within ements of array A.	***
WAP that will take n positive divisible by 3 and replace the Sample input 8 78132643 3 321 WAP that will take n integers that array. Finally show all el Reference: http://en.wikipedia	Sample output 7 8 1 -1 2 -1 4 -1 -1 2 1 s into an array A. Now sort them in ascending order within ements of array A. a.org/wiki/Bubble_sort	
WAP that will take n positive divisible by 3 and replace the Sample input 8 78132643 3 321 WAP that will take n integers that array. Finally show all el Reference: http://en.wikipedia	Sample output 7 8 1 -1 2 -1 4 -1 -1 2 1 s into an array A. Now sort them in ascending order within ements of array A. Sample output Sample output Sample output	
WAP that will take n positive divisible by 3 and replace the Sample input 8 78132643 3 321 WAP that will take n integers that array. Finally show all el Reference: http://en.wikipedia	Sample output 7 8 1 -1 2 -1 4 -1 -1 2 1 s into an array A. Now sort them in ascending order within ements of array A. a.org/wiki/Bubble_sort	

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

*	*

Sample input	Sample output	
8	7854	
78152643		
6		
136092		
3	123	
123		
2		
4 5		

ample input	Sample output
5	71
12345	
23416	
3 4 9 6 7	
4 2 6 7 8	
4321	
	25
.111111	
111111	
111111	
111111	
111111	
111111	
111111	
VAP that will take (n x n) integ	rer inputs into a square matrix of dimension n (who
nust be an odd number). Ther	ger inputs into a square matrix of dimension n (when calculate sum of the integers based on following
nust be an odd number). Ther	•
nust be an odd number). Ther attern (consider only the box	calculate sum of the integers based on following
nust be an odd number). Ther attern (consider only the box	n calculate sum of the integers based on following ed position during the sum). Please see the input-c
nust be an odd number). There attern (consider only the box Sample input	calculate sum of the integers based on following ed position during the sum). Please see the input-compared Sample output
nust be an odd number). Ther attern (consider only the box Sample input 5 1 2 3 4 5 2 3 4 1 6	calculate sum of the integers based on following ed position during the sum). Please see the input-compared Sample output
nust be an odd number). There eattern (consider only the box Sample input 5 12345 23416 34967	calculate sum of the integers based on following ed position during the sum). Please see the input-compared Sample output
Sample input 1 2 3 4 5 2 3 4 1 6 3 4 9 6 7 4 2 6 7 8	calculate sum of the integers based on following ed position during the sum). Please see the input-compared Sample output
ust be an odd number). Therefattern (consider only the box Sample input 1 2 3 4 5 2 3 4 1 6 3 4 9 6 7 4 2 6 7 8	calculate sum of the integers based on following ed position during the sum). Please see the input-compared Sample output
nust be an odd number). There attern (consider only the box Sample input 5 1 2 3 4 5 2 3 4 1 6 3 4 9 6 7 4 2 6 7 8 5 4 3 2 1	calculate sum of the integers based on following ed position during the sum). Please see the input-compared Sample output
ust be an odd number). Therefitern (consider only the box Sample input 1 2 3 4 5 2 3 4 1 6 3 4 9 6 7 4 2 6 7 8 5 4 3 2 1	Sample output 65
Sample input 1 2 3 4 5 2 3 4 1 6 3 4 9 6 7 4 2 6 7 8 5 4 3 2 1	Sample output 65
Sample input 1 2 3 4 5 2 3 4 1 6 3 4 9 6 7 4 2 6 7 8 5 4 3 2 1	Sample output 65
nust be an odd number). There attern (consider only the box Sample input 5	Sample output 65
nust be an odd number). There eattern (consider only the box of the second of the seco	Sample output 65
nust be an odd number). There pattern (consider only the box Sample input 5 12345 23416 34967 42678 54321 7 1111111 111111 1111111 1111111	Sample output 65

19. WAP that will take (m x n) integer inputs into a matrix of dimension m x n. Now reverse that matrix within itself and display it. Reversal means swap 1st column with the nth column, swap 2nd column with the (n-1)th column and so on... Sample input Sample output 321 33 123 654 456 292 292 26 654321 123456 456789 987654 20. WAP that will take (n x n) integer inputs into a square matrix of dimension n. Now determine whether the matrix is symmetric or not. Reference: http://en.wikipedia.org/wiki/Symmetric matrix Sample input Sample output 3 Yes 1 7 3 7 4 5 3 5 6 2 No 1 3 4 2 21. WAP that will take $(m \times n)$ positive integer inputs into a matrix of dimension $m \times n$. Now replace all the duplicate integers by -1 in that matrix. Finally display it. Sample input Sample output 3 3 1 7 3 1 7 3 -1 4 5 7 4 5 -1 -1 6 3 5 6 26 2 -1 -1 -1 -1 2 2 2 2 2 2 6 5 4 3 - 1 1 6 5 4 3 2 1

Sample input	Sample output	
3 3	41	
1 7 3		
7 4 5		
3 5 6		
2 6	33	
2 2 2 2 2 2		
6 5 4 3 2 1		