Multi-Dimensional Array related problems (Total 15 questions)

SL	Problem statement	Difficulty	l
		levels	l

view.		
Sample input	Sample output	
987654321	987	
	6 5 4	
	3 2 1	
111222333	111	
	222	
	3 3 3	
and column-wise.	gers into a <i>m by n</i> array (2D) and print them both row-wise	
Sample input (m,n)	Sample output	
2 3	Row-wise: 1 2 3 6 5 4	
123	Column-wise: 1 6 2 5 3 4	
6 5 4		
3 3	Row-wise: 1 1 1 2 2 2 3 3 3	
111	Column-wise: 1 2 3 1 2 3 1 2 3	
222		
	3 by 3 matrix into a 2D array. Now find the determinant of fun.com/algebra/matrix-determinant.html	*
this matrix. http://www.mathsis	Sample output	
this matrix. http://www.mathsis Sample input	Sample Surput	
Sample input 123	0	1
Sample input 123 456		
Sample input 123		
Sample input 123 456		

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Sample input	Sample output		
3 3	Max: 9		
123	Location: [2][1]		
456			
292			
2 3	Max: 9		
987	Location: [0][0]		
3 4 5			
WAP that will take (n x n) integer	r inputs into a square matrix of dimension n (who	ere n must **	
be an odd number). Then calculate sum of the integers at first row, last row and two diagonals without overlap. Please see the sample input-output.			
Sample input	Sample output		
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	52		
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23		

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Sample input	Sample output
5	71
12345	
23416	
3 4 9 6 7	
4 2 6 7 8 5 4 3 2 1	
54321	
7	25
111111	
1111111	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	

11. WAP that will take (n x n) integer inputs into a square matrix of dimension n (where n must be an odd number). Then calculate sum of the integers based on following position pattern (consider only the boxed position during the sum). Please see the input-output.

Sample input Sample output 65 12345 23416 3 4 9 6 7 42678 5 4 3 2 1 33 1 1 1 1 1 1 1 1111111 1 1 1 1 1 1 1 1111111 1 1 1 1 1 1 1 1111111

12. 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 3 3 321 123 654 456 292 292 26 654321 456789 123456 987654 ** WAP that will take (n x n) integer inputs into a square matrix of dimension n. Now **13**. determine whether the matrix is symmetric or not. Reference: http://en.wikipedia.org/wiki/Symmetric matrix Sample input Sample output Yes 1 7 3 7 4 5 3 5 6 2 No 1 3 4 2 14. WAP that will take (m x n) positive integer inputs into a matrix of dimension m x 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 -1 6 5 4 3 - 1 1 2 2 2 2 2 2 6 5 4 3 2 1

15. WAP that will take (m x n) integer inputs into a matrix of dimension m x n. Now just simply add all the integers in that matrix and show the result.

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		