

DailyFlash

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Note: Your 5th Program will be in continuation to previous program to achieve a final output. Therefore, you have continue coding in yesterday's last code.

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Program 1: Write a Program that accepts two Array of N element from user and print subtract of each element from one array with each element form other array and handle the case for getting absolute results.

Input: Length of arrays : 5

Array 1: 5 4 6 2 1

Array 2: 6 3 2 5 8

Output: Subtraction of elements: 1 1 4 3 7

Program 2: Write a Program that accepts a String from user, finds & prints if that entered sting is a palindrome string or not.

Input: Enter String: madam

Output: the entered string madam is a palindrome String.

Program 3: Write a Program that accepts a Matrix of MxN order and checks whether the entered matrix in an identity matrix or not. The order of matrix i.e. the values of m & n must be equal if user enter dissimilar values then program must ask user to re-enter the order of matrix.

Input: Enter Number of rows & cols: 3 3

Elements:

1	0	0
0	1	0
0	0	1

Output: The Entered Element is an Identity Matrix

Program 4: Write a Program to Print following Pattern.

Output:

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A
B  B
C  C  C
D  D  D  D
C  C  C
B  B
A
```

Note: Program on Permutations & Combinations

Program 5: How many ways are there to distribute 3 same medals amongst eight employees.

{ Note: when there are chances for rearranging things then we compute combinations, here in our example the 3 medals can be distributed amongst 3 but we can rearrange the 3 in themselves too, where N is employees we have and R is medals we have }

Output: There are 56 combinations to distribute 3 medals amongst 8 employees