

## DailyFlash

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**Note: Your 5<sup>th</sup> 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 the second smallest array out of that unsorted array.

Input: Length of arrays : 5

Elements In Array: 5 4 6 2 1

Output: Second Smallest Element in Array: 2

Program 2: Write a Program that accepts a String from user and copy that string into another string.

Input: Enter String: Hello World

Output: Output String Two: Hello World

Program 3: Write a Program that accepts a Matrix of MxN order and converts that matrix into NULL matrix

Input: Enter Number of rows & cols: 3 3

Elements:   1       2       3  
              4       5       6  
              7       8       9

Output:

0     0     0  
0     0     0  
0     0     0

Program 4: Write a Program to Print following Pattern.

Output:

```

      8
    6 6
  4 4 4
2 2 2 2
  4 4 4
    6 6
      8
```

Note: Program on Permutations & Combinations

Program 5: Write a program to find number of different permutations  $nPr$  and combinations  $nCr$  of a box containing 6 distinct colour balls taken 3 at a time.

Output:

The number of permutations  $nPr = 120$

The number of combinations  $nCr = 20$