

## DailyFlash

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Program 1: Write a Program that accepts two Array of N element from user and concat two arrays into a third array and print that third array.

Input: Length of arrays : 5

Elements In Array One: 5 4 6 2 1

Elements In Array Two: 1 2 3 4 5

Output: Third Array after concatenation: 5 4 3 2 1 1 2 3 4 5

Program 2: Write a Program that accepts a String from user and reverse that string.

Input: Enter a String: Heaven over Earth

Output: Reversed String: htraE revo nevaeH

Program 3: Write a Program that accepts a Matrix of MxN order and converts that matrix into an upper triangular matrix.

Input: Enter Number of rows & cols: 3 3

Elements:   1     2     3  
             4     5     6  
             7     8     9

Output:

     1     4     7  
     0     5     8  
     0     0     9

Program 4: Write a Program to Print following Pattern.

Output:

```

        1
      2  2  2
    3  3  3  3
  4  4  4  4  4  4
    3  3  3  3
      2  2  2
        1
```

Program 5: Write a program that accepts a Matrix of 3x3 order and calculate determinant of that matrix.

{Steps:

```
x=(matrix[0][0] * (matrix[1][1] * matrix[2][2] - matrix[1][2] * matrix[2][1]));
y=(matrix[0][1] * (matrix[1][0] * matrix[2][2] - matrix[1][2] * matrix[2][0]));
z=(matrix[0][2] * (matrix[1][0] * matrix[2][1] - matrix[1][1] * matrix[2][0]));
```

```
determinant = x - y + z;
```

```
}
```

Input: Matrix

```

1  2  3
4  5  6
7  8  9
```

Output: Determinant of the entered matrix = 0