# 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 an Array of N element from user and calculate the Average, Variance & Standard Deviation of those elements in Array. {Note: Please Refer Previous Program for formula}

Program 2: Write a Program that accepts a String from user, finds & prints if that consists of a substring asked by user.

Input: Enter String: yellow

   Enter Substring to find low

Output: the entered string consists low as substring

Program 3: Write a Program that accepts 2D Array of M Rows & N Columns from user and prints only addition of even elements multiplied by max odd element from that array.

Input: Enter Number of rows & cols: 3  3

Elements:

|   |   |   |
|---|---|---|
| 1 | 2 | 3 |
| 3 | 4 | 5 |
| 5 | 6 | 7 |

Output: Sum of Even Elements: 12

   Max Odd Element: 7

   Expected Output: 12 * 7 = 84

Program 4: Write a Program to Print following Pattern.

Output:

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

Note: Program on Permutations & Combinations

Program 5: How many ways are there to distribute 3 medals (Gold, Silver, Bronze) amongst eight employees. { Note Compute permutations, where N is employees we have and r is medals we have}
Output: There are 336 ways to distribute 3 medals amongst 8 employees