

## 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 print multiplication of Series up to nth length if user provides length.

Series:  $(1+1) * (2+2) * (3+3) * \dots * (n+n)$ .

Input: Enter Length of Series: 4

Output: The multiplication of Series of length 4 = 20

Program 2: Write a Program to print following array.

`Arr[] = { 1, 2, 3, 4, 5, 6, 7, 8, 9};`

Output: 1 2 3 4 5 6 7 8 9

Program 3: Write a Program that computes & prints each Numbers entered by user using do while loop until user enters a Strong Number.

Input: 10 6 22 50 301 145

Output: 10 6 22 50 301 Terminating

Program 4: Write a Program to Print following Pattern.

```
*   0   *   0   *   0   *
    0   *   0   *   0
      *   0   *
        0
```

**{Continue with Yesterday's Last Program}**

**{In Reference with 5<sup>th</sup> Program given from last week.}**

Program 5: Write a Program that accepts all three points of a triangle from user and computes any of the operation listed in menu, if user provides the option associated with key.

Menu:

- 1: Calculate Distances of each side of Triangle
- 2: Calculate Perimeter of Triangle
- 3: Area of Triangle
- 4: Radius of In-Circle to be drawn inside the Triangle.
- 5: Centre of in-circle enclosed under triangle

{E.g. user enters 2: Display the Perimeter of Triangle}

Input:

A (x1, y1) = 5 2

B (x2, y2) = 6 3

C (x3, y3) = 3 1

Press Key to Choose Operation:3

Output:      Area of Triangle = 0.4716