

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 print Addition of Series up to nth length if user provides length.

Series: $1/(x+y) + 2/(x+y)^2 + 3/(x+y)^3 + \dots + n/(x+y)^n$

(where x, y are the numbers entered by user)

Input:

Enter Length of Series: 3

Enter Value of X & Y = 3 4

Output: The addition of Series of length 3 = 0.166

Program 2: Write a Program that accepts a String from user and prints the length of that string.

Input: HELLO WORLD

Output: Length of entered string is 11

Program 3: Write a Program that accepts a number from user and swaps that first element from that array with last element of that array.

Input: Length of Array: 6

Enter Elements in Array: 1 2 3 4 5 6

Output: Array Before Swapping: 1 2 3 4 5 6

Array After Swapping : 6 2 3 4 5 1

Program 4: Write a Program to Print following Pattern.

```
1
2  3
4  5  6
7  8  9  10
9  8  7
6  5
4
```

{In Reference With Yesterday's Program }

Program 5: Write a Program that takes Area (A) & Base (b) of a Triangle and calculates height (h) of that Triangle.

{Steps: To Calculate Area of Triangle, we can use formula:

$$H = 2A/b$$

Where:

A is area of triangle

b is base of that triangle

h is height of that triangle

}

Input:

Enter Area of Triangle: 6

Enter Base of Triangle : 4

Output: The Area of Triangle is : 3