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: 1/1! + 1/2! + 1/3! + … + 1/n!

Input:

Enter Length of Series: 3

Output : The Addition of entered Series : 1.66

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

Input: heaven is just an illusion made by weak hearts

Output: Entered String Contains 9 Words.

Program 3: Write a Program that accepts a Array on Length N from user and prints multiplication of all odd elements from that array.

Input: Length of Array: 6

Enter Elements in Array: 1 2 3 4 5 6

Output: multiplication of Odd Elements from that array : 15

Program 4: Write a Program to Print following Pattern.

Output:

```
        0
    0   0
0   0   0
    0   0
        0
```

Program 5: Write a Program calculate period of a simple pendulum (T) if user provides the Length of pendulum in (L) in meters.
{Steps: To calculate Period of simple pendulum we can use formula

$$T = 2\pi / \sqrt{L/g}$$

Where,

L: is length of pendulum in Meters.

g: is acceleration but we can simply use gravitation constant since gravitational force acts on it. So (g = 9.81).

π : 3.142

}

Input: Length of Pendulum in Meters: 0.75

Output: Period of that pendulum is: 1.73 seconds