

## DailyFlash

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Program 1: Write a Program to print an Arithmetic Progression (A.P.) series.  
Take Starting element, Total count of elements in A.P. & the Common Difference from user.

{Note: an AP (i.e. Arithmetic Progression is such series which has common difference between every consecutive elements, AP of common difference 2 starting from 20 can be: 20, 22, 24, 26 . . .}

Input:

Starting Element: 1

Number of Elements: 5

Common Difference: 6

Output: The AP is: 1 7 13 19 23

Program 2: Write a Program that sums up all the digits from an entered number and finds average of that sum and print them both.

Input: 12345

Output:

Sum of Digits from 12345: 15

Average of sum of digits from 12345: 3

Program 3: Write a Program to find circumference of a Circle of radius entered by user.

{Note: The formula to determine Circumference of Circle is  $2\pi r$ . Where  $\pi = 3.142$ }

Input: radius of Circle 40

Output: The Circumference of Circle with Radius 40 is 251.36

Program 4: Write a Program to Print following Pattern.

0	1	4	9	16
	1	6	12	20
		8	15	24
			18	28
				32

Program 5: Write a Program that takes a number as input from user and prints only those digits from that number, which are perfect divisors of the actual number.

Input: 124

Output: The Perfect Divisor Digits from the Number 124 are 1 2 4