# 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 prints Cube Root of a Number entered by User.

Input: 27

Output: Cube Root of 27 is 3

Program 2: Write a Program that replaces every occurrence of 1 with 2 in the number entered by user.

Input: 121145

Output: 222245

Program 3: Write a Program that computes & prints Prime Numbers entered by user using do while loop until user enters a negative number.

Input: 1 6 2 5 3 4 -1
Output: 1 6 2 5 3 Terminating

Program 4: Write a Program to Print following Pattern.

```
                #
          *     #     *
      *   *     #     *   *
  *   *   *     #     *   *   *
```

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

Program 5: Write a Program that computes Semi-Perimeter of a triangle if user enters the vertices of all three points of that triangle.
{Steps:

1. Calculate Semi-Perimeter of circle using Heron's Formula i.e.
   Perimeter P of triangle is :
   P = (a + b + c) / 2
   Where, a, b & c are the distances/lengths of each side of triangle.

}

Input:

A (x1, y1) = 5 2
B (x2, y2) = 6 3
C (x3, y3) = 3 1

Output:

Length AB = 1.41
Length BC = 3.60
Length AC = 2.23

Perimeter of Triangle: 4.24
Semi-Perimeter of Triangle = 2.12