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 all the prime factors of a number entered by user.

Input: 10

Output: Prime Factors of 10 are 2, 5

Program 2: Write a Program that replaces every occurrence of 1 with a digit N from that number if user provides both the number & digit N to replace with 1.

Input:

    Enter Number: 121145

    Enter Digit to replace with 1: 5

Output: 525545

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

Input: 10 6 22 50 301 232
Output: 10 6 22 50 301 Terminating

Program 4: Write a Program to Print following Pattern.

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1    2    3    4    5    6    7
     2    3    4    5    6
          3    4    5
               5
```

{Continue with Yesterday's Last Program}

Program 5: Write a Program that computes radius of a In-circle inside a triangle if user enters the vertices of all three points of that triangle.
{Steps:

1. Calculate Radius R of an In-Circle enclosed under Triangle using Heron's formula :

    R = (A / P)

    Where,

    - A is Area of that triangle
    - P is semi-perimeter 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 = 7.24
    Semi-Perimeter of Triangle = 3.62
    Area of Triangle =   0.4716

    Radius of In-circle = 0.1302