DailyFlash

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Program 1: Write a Program that prints whether a number entered by user is Disarium Number or not.

{Note: A number can be termed as Disarium number if the sum of every digits raised by their position in that number is equal to that number. E.g. 135, 1 is at position 1, 3 is at position 2 & 5 is at position 3, then 1^1 + 3^2 + 5^3 = 1 + 9 + 125 = 135, so 135 is a Disarium Number}

Input: 89

Output: 89 is a Disarium Number.

Program 2: Write a Program that calculates diameter of a circle if user provides circumference of the same circle. {Note: π = 3.142}

Input: Circumference of circle = 25.13

Output: Diameter of that circle is 10

Program 3: Write a Program that accepts a number from user and prints second minimum digit from that number.
Input: 12357798
Output: The Second minimum Digit from number 12357798 is 2

Program 4: Write a Program to Print following Pattern.

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0A  1B  2C  3D
1A  2B  3D
2A  3B
4A
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Program 5: Write a Program calculates Distance between two points of a line, if user provides Point A & Point B of that line.

{Note: Distance of a line is computed as d(line) $=\sqrt{(x2-x1)^2 + (y2-y1)^2}$}

Input:

Point A (x1, y1) = 5 1

Point B (x2, y2) = 8 1

Output: Distance d(AB) = 3