**LAB # 03**

**RECURSION**

**OBJECTIVE:** To understand the complexities of the recursive functions and a way to reduce these complexities.

TASK 1

Write a program which takes an integer value (k) as input and prints the sequence of numbers from k to 0 in descending order.

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| CODE:    OUTPUT: |

TASK 2

Write a program to reverse your full name using Recursion.

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| CODE:    OUTPUT: |

TASK 3

Write a program to calculate the sum of numbers from 1 to N using recursion. N should be user input.

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| CODE:    OUTPUT: |