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TIFAC Core in Cyber Security

B.Tech, Cyber Security (CSE-CYS)

20CYS181 – Computer Programming Lab

Lab Evaluation 2

20ᵗʰ April 2022

Time: 2 Hours   Total Marks: 20

Instructions:

1. You need to copy the codes in a doc file and paste the screenshot of output.

Questions:

1. Write a C program to create 2 3x3 matrices whose value will be passed by user. [1 Marks]
2. Write function for the following (for first matrix): [3 * 3 Marks = 9 Marks]
    a. To print lower triangular matrix as shown.
        If matrix = 1   2   3
                           4   5   6
                           7   8   9
        Output =   1
                           4   5
                           7   8   9

    b. Interchange the row as per below exchanges:

        Row 1 -> Row 3

        Row 2 -> Row 1

        Row 3 -> Row 2

    c. Arrange each column elements in descending order.
3. Write the following function: [2 * 5 Marks = 10 Marks]
        a. Addition/Subtraction of matrices where operation is selected by user.
        b. Multiplication of matrices.