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**Batch:S2RMCA-B**

**Date:06/04/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 2**

**Aim**

Read 2 matrices from the console and perform matrix addition.

**Procedure**

import java.util.Scanner;

class AddTwoMatrix

{

public static void main(String args[])

{

int m, n, c, d;

Scanner in = new Scanner(System.in);

System.out.println("Enter the number of rows and columns of matrix");

m = in.nextInt();

n = in.nextInt();

int first[][] = new int[m][n];

int second[][] = new int[m][n];

int sum[][] = new int[m][n];

System.out.println("Enter the elements of first matrix");

for (c = 0; c < m; c++)

for (d = 0; d < n; d++)

first[c][d] = in.nextInt();

System.out.println("Enter the elements of second matrix");

for (c = 0 ; c < m; c++)

for (d = 0 ; d < n; d++)

second[c][d] = in.nextInt();

for (c = 0; c < m; c++)

for (d = 0; d < n; d++)

sum[c][d] = first[c][d] + second[c][d];

System.out.println("Sum of the matrices:");

for (c = 0; c < m; c++)

{

for (d = 0; d < n; d++)

System.out.print(sum[c][d] + "\t");

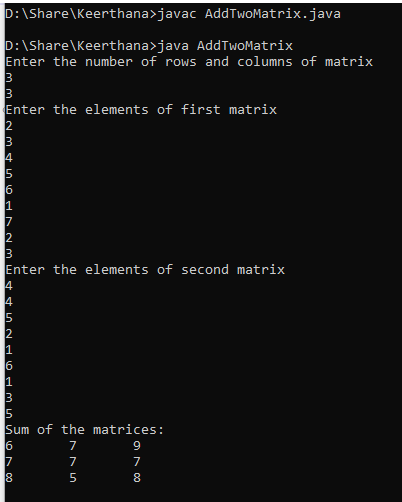
System.out.println();

}

}

}

**Output Screenshot**

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