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**Roll No:26**

**Batch: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.\*;

class MatrixAddition{

public static void main(String args[]){

int r, c,i,j;

Scanner in = new Scanner(System.in);

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

r = in.nextInt();

System.out.println("Enter the number columns");

c = in.nextInt();

int m1[][] = new int[r][c];

int m2[][] = new int[r][c];

int s[][] = new int[r][c];

System.out.println("Enter the elements of matrix1");

for ( i= 0 ; i < r ; i++ ){

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

m1[i][j] = in.nextInt();

}

System.out.println("Enter the elements of matrix2");

for ( i= 0 ; i < r ; i++ ){

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

m2[i][j] = in.nextInt();

}

for ( i= 0 ; i < r; i++ )

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

s[i][j] = m1[i][j] + m2[i][j] ;

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

for ( i= 0 ; i < r ; i++ ){

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

System.out.print(s[i][j]+"\t");

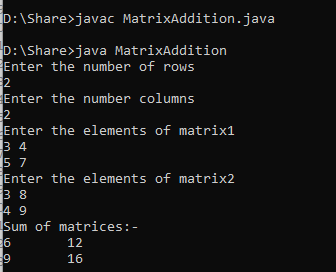
System.out.println();

}

}

}

**Output Screenshot**

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