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**Batch: S2 RMCA**

**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;

public class MatrixAddition{

public static void main(String args[]){

int row,col,i,j;

Scanner add1=new Scanner(System.in);

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

row=add1.nextInt();

System.out.println("Enter the number of columns in matrices: ");

col=add1.nextInt();

int a[][]=new int[row][col];

int b[][]=new int[row][col];

int c[][]=new int[row][col];

System.out.println("Enter the elements in the matrix a:");

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

for(j=0;j<col;j++){

a[i][j]=add1.nextInt();

}

}

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

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

for(j=0;j<col;j++){

b[i][j]=add1.nextInt();

}

}

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

for(j=0;j<col;j++){

c[i][j]=a[i][j]+b[i][j];

}

}

System.out.println("The sum of matrices is:");

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

for(j=0;j<col;j++){

System.out.println(c[i][j]);

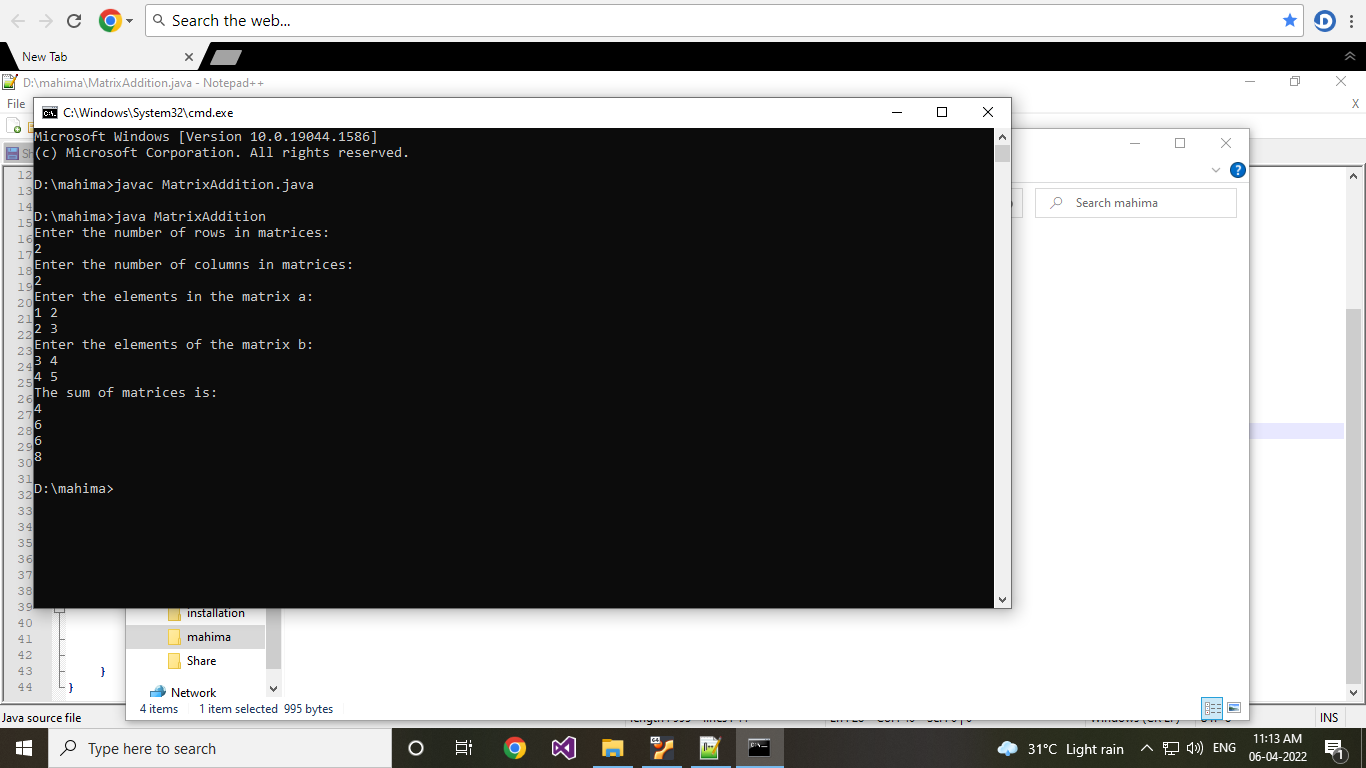
}

}

}

}

**Output Screenshot**

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