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**Batch:MCA**

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**Object oriented programming lab**

**Experiment No.: 2**

**Aim**

Read 2 matrices from the console and perform matrix addition.

**Source code:**

import java.util.Scanner;

class AddMatrix {

public static void main (String args[]){

int row,col,i,j;

Scanner in =new Scanner(System.in);

System.out.println("enter the rows");

row =in.nextInt();

System.out.println("enter the columns");

col=in.nextInt();

int mat1[][]=new int [row][col];

int mat2[][]=new int [row][col];

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

System.out .println("enter the elements in first matrix");

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

{

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

mat1[i][j]=in.nextInt();

System.out.println();

}

System.out.println("enter the elements in second matrix");

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

{

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

{

mat2[i][j]=in.nextInt();

System.out.println();

}

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

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

res[i][j]=mat1[i][j]+mat2[i][j];

System.out.println("sum of matrices");

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

{

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

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

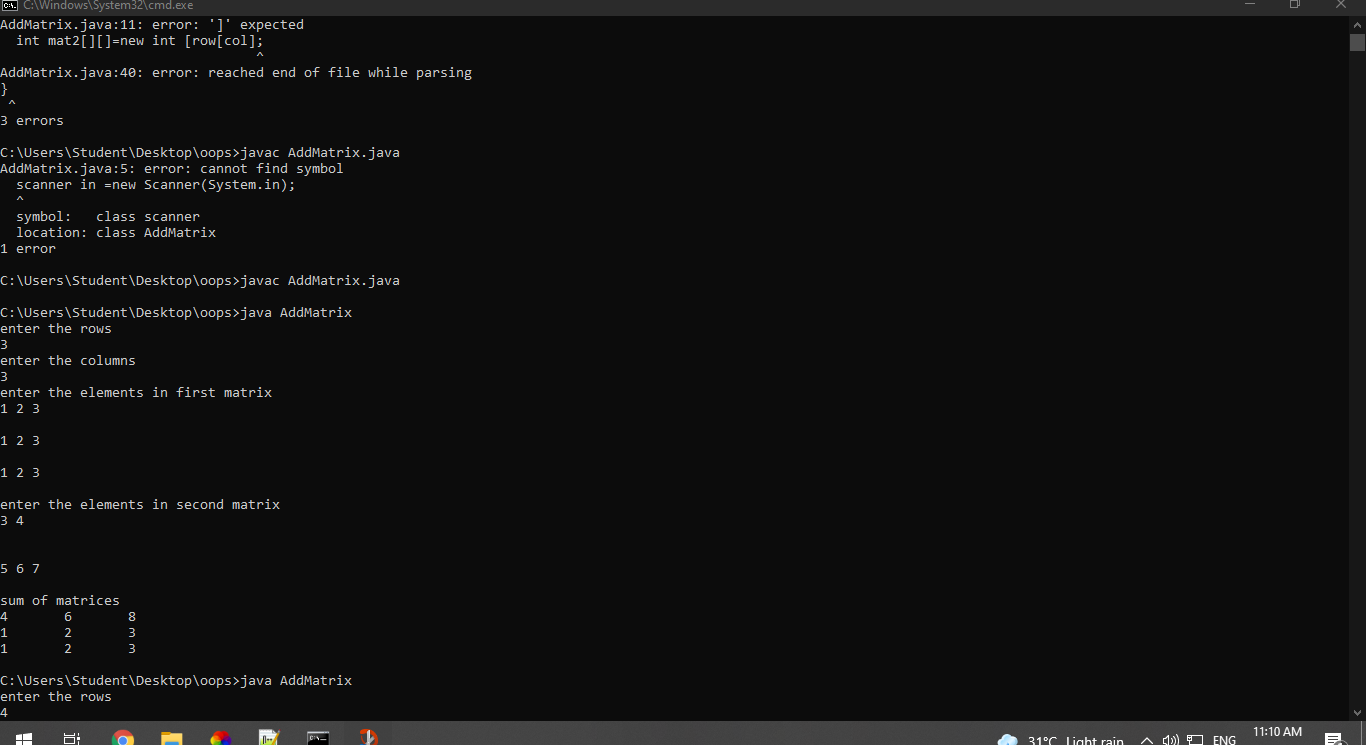
System.out.println();

}

}

}

}

**Output: **