**PRACTICAL:8**

**AIM: Write a java program to sum of two dimensional matrix using array.**

**PROGRAM:**

import java.util.Scanner;

class P8\_7059

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

int a[][]=new int[100][100];

int b[][]=new int[100][100];

int sum[][]=new int[100][100];

int row,col;

int i,j;

System.out.println("Enter the no of row : ");

row=sc.nextInt();

System.out.println("Enter the no of column : ");

col=sc.nextInt();

System.out.println("Enter the elements of 1st array : ");

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

{

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

{

System.out.println("enter array element "+(i+1)+(j+1));

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

}

}

System.out.println("Enter the elements of 2nd array : ");

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

{

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

{

System.out.println("enter array element "+(i+1)+(j+1));

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

}

}

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

{

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

{

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

}

}

System.out.println("Sum of two Matrix : ");

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

{

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

{

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

}

}

}

}

# OUTPUT:

