Qu 10. Write a Java Program to add 2 matrices of 3 rows and 3 columns.

Program:

public class Matrix\_dis {

int[][] a={{1,4,5},{5,2,9},{1,5,4}};

int[][] b={{2,1,1},{0,8,1},{8,7,4}};

int[][] c = new int[3][3];

void dis(int[][] a){

System.out.println("Matrix");

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

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

}

System.out.println();

}}

void add(){

for(int i=0;i<3;i++){

for (int j=0;j<3;j++){

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

}

}

}

public static void main(String arg[]){

Matrix\_dis obj = new Matrix\_dis();

System.out.println("Matrix 1:");

obj.dis(obj.a);

System.out.println("Matrix 2:");

obj.dis(obj.b);

obj.add();

System.out.println("Addition");

obj.dis(obj.c);

}

}

Output:

run:

Matrix 1:

Matrix

1 4 5

5 2 9

1 5 4

Matrix 2:

Matrix

2 1 1

0 8 1

8 7 4

Addition

Matrix

3 5 6

5 10 10

9 12 8

BUILD SUCCESSFUL (total time: 0 seconds)