Sum of matrix

package labexam;

import java.util.Scanner;

public class main

{

public static void main(String[]args)

{

Scanner sc = new Scanner(System.in);

System.out.print("Enter rows: ");

int rows = sc.nextInt();

System.out.print("Enter columns: ");

int cols = sc.nextInt();

int mat1[][] = new int[3][3];

int mat2[][] = new int[3][3];

int res[][] = new int[3][3];

System.out.print("Enter elements of mat1 ");

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

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

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

}

}

System.out.print("Enter elements of mat2 \t");

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

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

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

}

}

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

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

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

}

}

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

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

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

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

}

System.out.println();

}

sc.close();

}

}