package tugas.asistensi.pkg3;

import java.util.Arrays;

import java.util.Scanner;

public class tugasasistensi3 {

public static void main(String[] args) {

Scanner input=new Scanner(System.in);

System.out.print("Masukkan Baris Matriks : ");

int m=input.nextInt();

System.out.print("Masukkan Kolom Matriks : ");

int n=input.nextInt();

int A[][]=new int [m][n];

int B[][]=new int [m][n];

int hasil[][]=new int[m][n];

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

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

System.out.print("Masukkan elemen matriks 1 ke ("+(i+1)+","+(j+1)+") : ");

int elemen=input.nextInt();

A[i][j]=elemen;

}

}

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

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

System.out.print("Masukkan elemen matriks 2 ke ("+(i+1)+","+(j+1)+") : ");

int elemen=input.nextInt();

B[i][j]=elemen;

}

}

System.out.println("Hasil Penjumlahan : ");

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

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

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

}

System.out.println();

}

System.out.println("Hasil Pengurangan : ");

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

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

System.out.print(A[i][j]-B[i][j]+" ");

}

System.out.println();

}

System.out.println("Hasil Perkalian : ");

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

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

for(int c=0;c<m;c++){

hasil[i][j]+=A[i][c]\*B[c][j];

}

}

}

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

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

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

}

System.out.println();

}

}

}