MatrixMultiply.java

//Matrix Multiplication

import java.util.\*;

public class MatrixMultiply

{

public static void main(String args[])

{

int sum1=0,i;

int k,l,m=0,x,j,temp=0;

int a[][] = new int[3][3];

int b[][] = new int[3][3];

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

int d[][] = new int[3][3];

Scanner s = new Scanner(System.in);

System.out.println("Enter Matrix A : ");

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

{

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

{

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

}

}

System.out.println("Enter Matrix B : ");

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

{

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

{

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

}

}

System.out.println("Multiplication :\n ");

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

{

x=0;

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

{

sum1=0;

temp=0;

for(k=0;k<3;k++)

{

temp=a[i][k]\*b[k][j];

sum1=sum1+temp;

}

d[i][x]=sum1;

x++;

}

}

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

{

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

{

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

}

System.out.println("");

}

}

}

OUTPUT:

