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1/*AIM:Write a program in java to perform Matrix Multiplication.
2package pkg3;
3import java.util.*;
4public class MatrixMultiplication {
5    public static void main(String[] args) {
6        System.out.println("~A PROJECT BY KASHISH GUPTA");
7        int mul[][] = new int[3][3];
8        int set1[][] = new int[3][3];
9        int set2[][] = new int[3][3];
10       int i,j;
11
12       Scanner sc =new Scanner(System.in);
13
14       System.out.println("Start the program : ");
15
16       System.out.println("Enter the first 3x3 matrix:");
17       for(i=0;i<3;i++)
18       {
19           for(j=0;j<3;j++)
20           {
21               set1[i][j]=sc.nextInt();
22           }
23       }
24
25       System.out.println("Enter the second 3x3 matrix:");
26
27       for(i=0;i<3;i++)
28       {
29           for(j=0;j<3;j++)
30           {
31               set2[i][j]=sc.nextInt();
32           }
33       }
34
35       System.out.println("The first 3X3 matrix is : ");
36       for (i=0 ; i<3 ; i++)
37       {
38           for (j=0 ; j<3 ; j++)
39           {
40               System.out.print(set1[i][j]+"\\t");
41           }
42           System.out.println(" ");
43       }
44
45       System.out.println("The second 3X3 matrix is : ");
46       for (i=0 ; i<3 ; i++)
47       {
48           for (j=0 ; j<3 ; j++)
49           {
50               System.out.print(set2[i][j]+"\\t");
51           }
52           System.out.println(" ");
53       }
54
55
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62     System.out.println(" ");
63
64
65     for(i=0;i<3;i++)
66     {
67         for(j=0;j<3;j++)
68         {
69             mul[i][j] = set1[i][j] * set2[i][j];
70         }
71     }
72
73     System.out.println("The resultant multiplication 3X3 matrix is :") ;
74     for (i=0 ; i<3 ; i++)
75     {
76         for (j=0 ; j<3 ; j++)
77         {
78             System.out.print(mul[i][j]+"\\t");
79         }
80         System.out.println(" ");
81     }
82 }
83 }
84 }
85 }
```