

SubtractMatrix.java

```
1 package MatrixSubtraction;
2 import java.io.*;
3
4 public class SubtractMatrix {
5
6     public static void main(String args[]) throws NumberFormatException, IOException
7     {
8         BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
9         int num1[][] = new int[3][3];
10        int num2[][] = new int[3][3];
11        int num3[][] = new int[3][3];
12
13        int x,y;
14
15        //Program for Matrix 1
16
17        System.out.println("Please insert First Matrix");
18        for(x=0;x<3;x++)
19        {
20            for(y=0;y<3;y++)
21            {
22                num1[x][y] = Integer.parseInt(br.readLine());
23            }
24        }
25        for(x=0;x<num1.length;x++)
26        {
27            for(y=0;y<3;y++)
28            {
29                System.out.print(" " + num1[x][y]);
30            }
31            System.out.println();
32        }
33
34        //Program for Matrix 2
35
36        System.out.println("Please insert Second Matrix");
37        for(x=0;x<3;x++)
38        {
39            for(y=0;y<3;y++)
40            {
41                num2[x][y] = Integer.parseInt(br.readLine());
42            }
43        }
44        for(x=0;x<num2.length;x++)
45        {
46            for(y=0;y<3;y++)
47            {
48                System.out.print(" " + num2[x][y]);
49            }
50            System.out.println();
51        }
52
53        //Program for Subtraction of Matrix 1 and 2
54
55        for(x=0;x<3;x++)
56        {
57            for(y=0;y<3;y++)
```

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```
58     {
59         num3[x][y] = num1[x][y] * num2[x][y];
60     }
61 }
62
63 System.out.println("Result of Subtraction is: ");
64 for(x=0;x<3;x++)
65 {
66     for(y=0;y<3;y++)
67     {
68         System.out.print(" " + num3[x][y]);
69     }
70     System.out.println();
71 }
72 }
73
74 }
75 }
```