```java
1 package MatrixAddition;
2 import java.io.*;
3
4 public class AddMatrix {
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[2][2];
10         int num2[][] = new int[2][2];
11         int num3[][] = new int[2][2];
12         int x,y;
13
14         System.out.println("Please insert 1st integer values for matric additon: ");
15         for(x=0;x<2;x++)
16         {
17             for(y=0;y<2;y++)
18             {
19                 num1[x][y] = Integer.parseInt(br.readLine());
20             }
21         }
22         for(x=0;x<num1.length;x++)
23         {
24             for(y=0;y<2;y++)
25             {
26                 System.out.print(" " + num1[x][y]);
27             }
28             System.out.println();
29         }
30
31         System.out.println("Please insert 2nd integer values for matric additon: ");
32         for(x=0;x<2;x++)
33         {
34             for(y=0;y<2;y++)
35             {
36                 num2[x][y] = Integer.parseInt(br.readLine());
37             }
38         }
39         for(x=0;x<num2.length;x++)
40         {
41             for(y=0;y<2;y++)
42             {
43                 System.out.print(" " + num2[x][y]);
44             }
45             System.out.println();
46         }
47
48         for(x=0;x<2;x++)
49         {
50             for(y=0;y<2;y++)
51             {
52                 num3[x][y] = num1[x][y] + num2[x][y];
53             }
54         }
55         System.out.println("The sum of the matrix is: ");
56         for(x=0;x<2;x++)
57         {
```

```
58              for(y=0;y<2;y++)
59              {
60                  System.out.print(" " + num3[x][y]);
61              }
62              System.out.println();
63          }
64      }
65
66 }
67
```