

PROGRAM:

```
import java.util.Scanner;

public class ADDITION_OF_MATRIX{

    public static void main(String[]args){

        Scanner input=new Scanner(System.in);

        int mat1[][]={{1,2},{5,3}};

        int mat2[][]={{2,3},{4,1}};

        int len=mat1.length;

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

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

                mat_sum[i][j]=mat1[i][j]+mat2[i][j];

                System.out.print(mat_sum[i][j]+"\\t");

            }

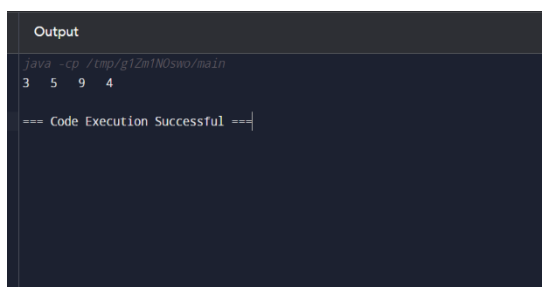
        }

        System.out.println();

    }

}
```

OUTPUT:



```
Output
java -cp /tmp/g12m1N0swo/main
3 5 9 4

=== Code Execution Successful ===
```