

The screenshot shows a Java code editor with the file `Recursion.java` open. The code implements a recursive function to calculate the sum of numbers from 1 to a given number. The code is well-structured with comments and imports.

```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  */
4
5 package com.mycompany.recursion;
6
7 /**
8 *
9 * @author 1BSCCSA55
10 */
11 import java.util.*;
12 public class Recursion {
13
14     public static void main(String[] args) {
15         Scanner sc=new Scanner(System.in);
16         int number;
17         System.out.println("Enter A number:");
18         number=sc.nextInt();
19         int sum = addNumbers(number);
20         System.out.println("Sum = " + sum);
21     }
22
23     public static int addNumbers(int num) {
24         if (num != 0)
25             return num + addNumbers(num - 1);
26         else
27             return num;
28     }
29 }
```

>

Output - Run (Recursion) ×



--- exec:3.5.1:exec (default-cli) @ Recursion ---
Enter A number:
52
Sum = 1378

BUILD SUCCESS

Total time: 10.420 s
Finished at: 2026-02-18T13:13:51+05:30
