

## 21.Average

```
import java.util.*;

public class average {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

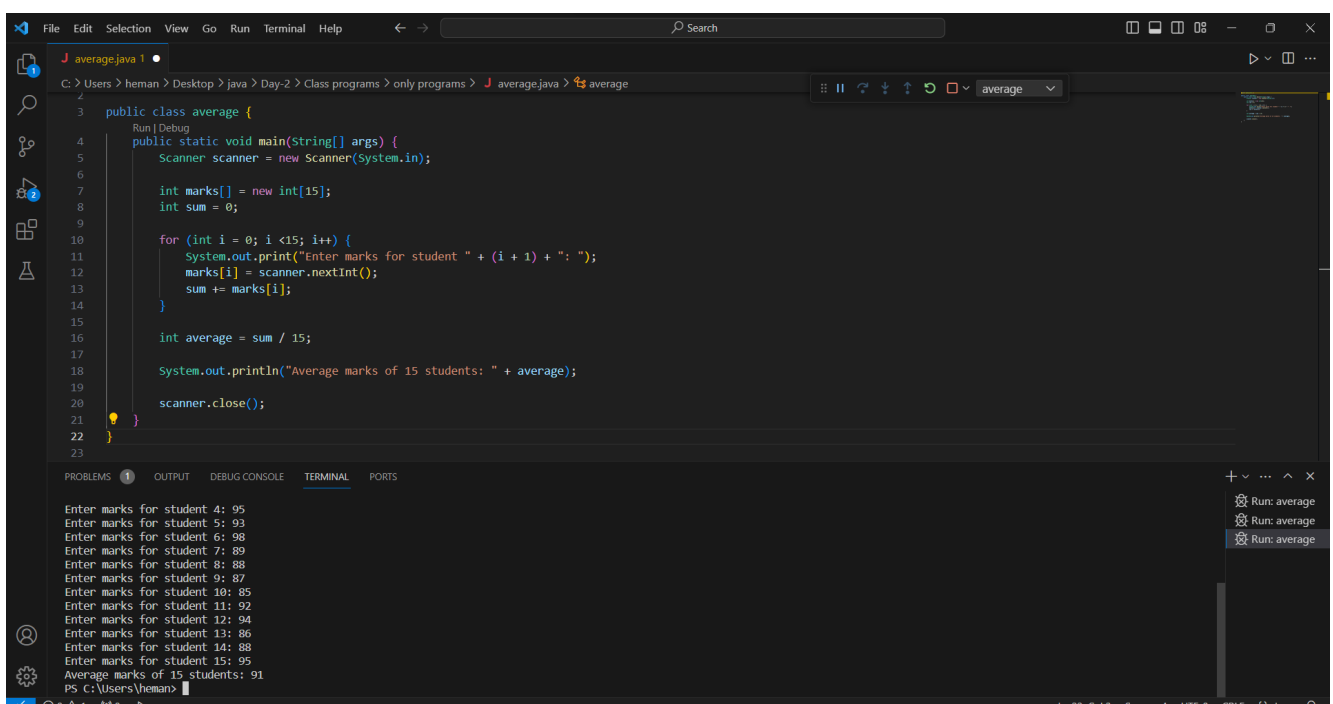
        int marks[] = new int[15];
        int sum = 0;

        for (int i = 0; i < 15; i++) {
            System.out.print("Enter marks for student " +
                (i + 1) + ": ");
            marks[i] = scanner.nextInt();
            sum += marks[i];
        }

        int average = sum / 15;

        System.out.println("Average marks of 15
students: " + average);

        scanner.close();
    }
}
```



The screenshot shows an IDE window with the following components:

- Editor:** Displays the Java code for the `average` class. The code is as follows:

```
1 public class average {
2     public static void main(String[] args) {
3         Scanner scanner = new Scanner(System.in);
4
5         int marks[] = new int[15];
6         int sum = 0;
7
8         for (int i = 0; i < 15; i++) {
9             System.out.print("Enter marks for student " + (i + 1) + ": ");
10            marks[i] = scanner.nextInt();
11            sum += marks[i];
12        }
13
14        int average = sum / 15;
15
16        System.out.println("Average marks of 15 students: " + average);
17
18        scanner.close();
19    }
20 }
```
- Terminal:** Shows the output of the program execution. It displays prompts for entering marks for 15 students, followed by the calculated average.

```
Enter marks for student 1: 95
Enter marks for student 2: 93
Enter marks for student 3: 98
Enter marks for student 4: 89
Enter marks for student 5: 88
Enter marks for student 6: 87
Enter marks for student 7: 85
Enter marks for student 8: 92
Enter marks for student 9: 94
Enter marks for student 10: 86
Enter marks for student 11: 88
Enter marks for student 12: 95
Average marks of 15 students: 91
PS C:\Users\heman>
```
- Run Configuration:** A dropdown menu on the right shows the configuration for running the program, with the option `Run: average` selected.