

```
1 package lab02;
2
3 import java.util.Scanner;
4
5 public class DemoClassStaticMethod {
6
7     public static void main(String[] args) {
8         Scanner input = new Scanner(System.in);
9         System.out.println("Press 1. to finds the sum of n natural numbers and its average \n"
10             + "Press 2. to show the multiplication table of a number n.");
11         System.out.println("Enter your choice: ");
12         int choice = input.nextInt();
13         System.out.println(choice + "selected...");
14
15         if (choice == 1) {
16             taskOne();
17         } else if (choice == 2) {
18             taskTwo();
19         } else
20             System.out.println("invalid choice silly");
21     }
22
23     public static void taskOne() {
24         Scanner input = new Scanner(System.in);
25         System.out.println("Enter how many natural numbers need to be generated: ");
26         int n = input.nextInt();
27         System.out.println(n + " natural numbers...");
28         int sum = 0;
29         for(int i = 1; i <= n; i++) {
30             sum += i;
31         }
32         System.out.println("Sum: " + sum + " avg: " + (double) sum / n);
33     }
34
35     public static void taskTwo() {
36         Scanner input = new Scanner(System.in);
37         System.out.println("Enter how many multiplication tables to generate: ");
38         int n = input.nextInt();
39
40         for(int i = 1; i <= n; i++) {
41             for(int j = 1; j <= 10; j++) {
42                 System.out.println(j + " * " + i + " = " + j*i);
43             }
44             System.out.println();
45         }
46     }
47 }
48
```