

```
import java.util.Scanner;

public class Lab2_Pro1_64010009 {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        int day_today, day_elapsed, day_future;

        while (true) {

            System.out.print("Enter today's day: ");
            day_today = scanner.nextInt();

            if (day_today ≥ 0 && day_today ≤ 6) break;
            System.out.println("ERROR: day out of range");
        }
        while (true) {

            System.out.print("Enter the number of days elapsed since today: ");
            day_elapsed = scanner.nextInt();

            if (day_elapsed ≥ 0) break;
            System.out.println("ERROR: number cannot be less than zero");
        }
        scanner.close();

        day_future = day_today + day_elapsed;
        day_future %= 7;

        String day_today_str, day_future_str;

        if (day_today == 0) day_today_str = "Sunday";
        else if (day_today == 1) day_today_str = "Monday";
        else if (day_today == 2) day_today_str = "Tuesday";
        else if (day_today == 3) day_today_str = "Wednesday";
        else if (day_today == 4) day_today_str = "Thursday";
        else if (day_today == 5) day_today_str = "Friday";
        else day_today_str = "Saturday";

        if (day_future == 0) day_future_str = "Sunday";
        else if (day_future == 1) day_future_str = "Monday";
        else if (day_future == 2) day_future_str = "Tuesday";
        else if (day_future == 3) day_future_str = "Wednesday";
        else if (day_future == 4) day_future_str = "Thursday";
        else if (day_future == 5) day_future_str = "Friday";
        else day_future_str = "Saturday";

        System.out.println("Today is " + day_today_str + " and the future day is " + day_future_str);
    }
}
```