import java.util.\*;

public class Program01 {

    public static void main(String[] args) {

        String[] day = { "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday" };

        Scanner input = new Scanner(System.in);

        System.out.print("Enter today's day : ");

        int today = input.nextInt();

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

        int elapsed = input.nextInt();

        int future = 0;

        if (today < 7) {

            for (int i = 0; i < today + elapsed; i++) {

                future++;

                if (future > 6)

                    future = 0;

            }

            System.out.printf("Today is %s and the future day is %s", day[today], day[future]);

        }

        else {

            System.err.println("Error, today must be 0-6.");

        }

        input.close();

    }

}