```
// joi/7/bank/class Month
//
//
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import java.io.*;
import java.util.Calendar;

/**
 * The Month class implements an object that keeps
 * track of the month of the year.
 *
 * @version 7
 */

public class Month
{
    private static final String[] monthName =
        {"Jan", "Feb", "Mar", "Apr", "May", "Jun",
         "Jul", "Aug", "Sep", "Oct", "Nov", "Dec"};

    private int month;
    private int year;

    /**
     *  Month constructor constructs a Month object
     *  initialized to the current month and year.
     */

    public Month()
    {
        Calendar rightNow = Calendar.getInstance();
        month = rightNow.get( Calendar.MONTH );
        year  = rightNow.get( Calendar.YEAR );
    }

    /**
     *  Advance to next month.
     */

    public void next()
    {
        month = (month + 1) % 12;
        if (month == 0) {
            year++;
        }
    }

    /**
     * How a Month is displayed as a String -
     * for example, "Jan, 2003".
     *
     * @return String representation of the month.
     */

    public String toString()
```



```
    {
        return monthName[month] + ", " + year;
    }

    /**
     * For unit testing.
     */

    public static void main( String[] args )
    {
        Month m = new Month();
        for (int i=0; i < 14; i++, m.next()) {
            System.out.println(m);
        }
        for (int i=0; i < 35; i++, m.next()); // no loop body
        System.out.println( "three years later: " + m );
        for (int i=0; i < 120; i++, m.next());// no loop body
        System.out.println( "ten years later: " + m );
    }
}
```