```
public static boolean isLeapYear(int y) {
   boolean leap = isLeapYear(year);
   int daySum = 0;
   for (i = 0; i < monthDays.length; i++) {
       daySum += monthDays[i];
   int date = day + monthDays[i] - daySum;
   StringBuffer sb = new StringBuffer();
   sb.append(date);
   sb.append("TH ");
   sb.append(monthNames[i]);
   sb.append(", ");
   sb.append(year);
   return sb.toString();
public static void main(String[] args) {
   Scanner in = new Scanner(System.in);
   System.out.print("DAY NUMBER: ");
   int dayNum = in.nextInt();
   System.out.print("DATE AFTER (N DAYS): ");
   if (dayNum < 1 \mid \mid dayNum > 366) {
       System.out.println("DAY NUMBER OUT OF RANGE");
       System.out.println("DATE AFTER (N DAYS) OUT OF RANGE");
   String dateStr = computeDate(dayNum, year);
   int nDays = dayNum + n;
   boolean leap = isLeapYear(year);
       nYear = nYear + 1;
nDays = nDays - 366;
```

```
String nDateStr = computeDate(nDays, nYear);

System.out.println();

System.out.println("DATE: " + dateStr);

System.out.println("DATE AFTER " + n + " DAYS: " + nDateStr);

System.out.println("DATE AFTER " + n + " DAYS: " + nDateStr);

The string nDateStr = computeDate(nDays, nYear);

System.out.println("DATE: " + dateStr);

System.out.println("DATE AFTER " + n + " DAYS: " + nDateStr);
```