```
public static double bruteForceSolver(double loan,
        double rate, int n, double epsilon) {
    iterationCounter = 0;
    double startPayment = loan / n;
    while (endBalance(loan, rate, n,
            startPayment) > 0) {
        startPayment += epsilon;
        iterationCounter++;
    }
    return startPayment;
}
public static double bisectionSolver(double loan,
        double rate, int n, double epsilon) {
    iterationCounter = 0;
    double highPayment = loan;
    double lowPayment = loan / n;
    double g = (highPayment + lowPayment) / 2.0;
    while (highPayment - lowPayment > epsilon) {
        if (endBalance(loan, rate, n, g) * endBalance(
                loan, rate, n, lowPayment) > 0) {
            lowPayment = g;
        } else {
            highPayment = g;
        g = (highPayment + lowPayment) / 2.0;
        iterationCounter++;
    }
    return g;
}
```

```
LowerCase.java
```

}

```
Calendar.java
```

```
public class Calendar {
    static int dayOfMonth = 1;
    static int month = 1;
    static int year = 1900;
    static int dayOfWeek = 2; // 1.1.1900 was a Monday
    static int nDaysInMonth = 31; // Number of days in January
    public static void main(String args[]) {
        int calendarYear = Integer.parseInt(args[0]);
        while (Calendar.year < calendarYear + 1) {</pre>
            if (Calendar.year == calendarYear) {
                System.out.println(Calendar.dayOfMonth + "/"
                        + Calendar.month + "/"
                        + Calendar.year
                        + (Calendar.dayOfWeek == 1 ? " Sunday"
                                 : ""));
            advance();
        }
    }
    private static void advance() {
        Calendar.dayOfWeek++;
        if (Calendar.dayOfWeek > 7) {
            Calendar.dayOfWeek = 1;
        Calendar.dayOfMonth++;
        if (Calendar.dayOfMonth > nDaysInMonth(
                Calendar.month, Calendar.year)) {
            Calendar.dayOfMonth = 1;
            Calendar.month++;
            if (Calendar.month > 12) {
                Calendar.month = 1;
                Calendar.year++;
            }
        }
    }
    private static boolean isLeapYear(int year) {
        return (year % 400 == 0
                || (year % 100 > 0 \&\& year % 4 == 0));
    }
```

```
private static int nDaysInMonth(int month, int year) {
    switch (month) {
        case 2: // february
            return isLeapYear(year) ? 29 : 28;
        case 4: // april
        case 6: // june
        case 9: // september
        case 11: // november
            return 30;
        default:
            return 31;
     }
}
```