HW03 Code - CS

LoanCalc.java

```
public class LoanCalc {
   public static void main(String[] args) {
       double loan = Double.parseDouble(args[0]);
       double rate = Double.parseDouble(args[1]);
        System.out.print("Periodical payment, using brute force: ");
       System.out.printf("%.2f", bruteForceSolver(loan, rate, n,
epsilon));
iterationCounter);
epsilon));
        System.out.println("number of iterations: " +
iterationCounter);
```

```
int n, double epsilon)
            guess += epsilon;
int n, double epsilon) {
       while (high - low > epsilon) {
double payment) {
           balance = (balance - payment) * (1 + rate / 100);
```

<u>LowerCase.java</u>

<u>UniqueChars.java</u>

Calendar.java

```
public class Calendar {
   static int month = 1;
static int year = 1900;
static int dayOfWeek = 2;
    static int nDaysInMonth = 31; // Number of days in January
   public static void main(String args[]) {
        int debugDaysCounter = 0;
        int inputYear = Integer.parseInt(args[0]); // Input year from
        while (year <= inputYear) {</pre>
             if (year == inputYear) {
                 if (dayOfWeek == 1) {
                      System.out.println(dayOfMonth + "/" + month + "/"
+ year + " Sunday");
                      if (dayOfMonth == 1) {
                      System.out.println(dayOfMonth + "/" + month + "/"
            advance();
            debugDaysCounter++;
        if (dayOfWeek < 7) {</pre>
            dayOfWeek++;
        } else if (dayOfWeek == 7) {
            dayOfWeek = 1;
        if (dayOfMonth < nDaysInMonth) {</pre>
            dayOfMonth++;
            dayOfMonth =
```