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

```
static int dayOfMonth = 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 inputYear = Integer.parseInt(args[0]); // Input year from
       while (year <= inputYear) {</pre>
           if (year == inputYear) {
                if (dayOfWeek == 1) {
+ year);
           advance();
           debugDaysCounter++;
            if (debugDaysCounter == 0) {
       System.out.println("During the 20th century, " + sundayscount
        if (dayOfWeek < 7) {</pre>
           dayOfWeek++;
        } else if (dayOfWeek == 7) {
           dayOfWeek = 1;
           dayOfMonth++;
        } else if (dayOfMonth == nDaysInMonth) {
           dayOfMonth = 1;
```