

```
C:\Users\iceki\OneDrive - stevens.edu\Desktop\SSW 315\LAB 1\code>javac Year.java
```

```
C:\Users\iceki\OneDrive - stevens.edu\Desktop\SSW 315\LAB 1\code>java Year 1999 2000 2001 2002 2004 2010 2100
```

```
1999 is not a leap year.
```

```
2000 is a leap year.
```

```
2001 is not a leap year.
```

```
2002 is not a leap year.
```

```
2004 is a leap year.
```

```
2010 is not a leap year.
```

```
2100 is not a leap year.
```

```
C:\Users\iceki\OneDrive - stevens.edu\Desktop\SSW 315\LAB 1\code>
```

```

1  /** Class that determines whether or not a year is a leap year.
2   *  @author MichaelSavino
3   */
4  public class Year {
5
6      /** Calls isLeapYear to print correct statement.
7       *  @param year to be analyzed
8       */
9      private static void checkLeapYear(int year) {
10         if (isLeapYear(year)) {
11             System.out.printf("%d is a leap year.\n", year);
12         } else {
13             System.out.printf("%d is not a leap year.\n", year);
14         }
15     }
16
17     /** Return true iff YEAR is a leap year. */
18     static boolean isLeapYear(int year) {
19         return ((year%400 == 0) || (year%100 != 0 && year%4 == 0));
20     }
21
22     /** Must be provided an integer as a command line argument ARGS. */
23     public static void main(String[] args) {
24         if (args.length < 1) {
25             System.out.println("Please enter command line arguments.");
26             System.out.println("e.g. java Year 2000");
27         }
28         for (int i = 0; i < args.length; i++) {
29             try {
30                 int year = Integer.parseInt(args[i]);
31                 checkLeapYear(year);
32             } catch (NumberFormatException e) {
33                 System.out.printf("%s is not a valid number.\n", args[i]);
34             }
35         }
36     }
37 }

```