Eclipse IDE

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Year.java

```java
/** Class that determines whether or not a year is a leap year.
 *  @author Rishabh Dhadda
 */
public class Year {

    /** Calls isLeapYear to print correct statement.
     *  @param  year to be analyzed
     */
    private static void checkLeapYear(int year) {
        if (isLeapYear(year)) {
            System.out.printf("%d is a leap year.\n", year);
        } else {
            System.out.printf("%d is not a leap year.\n", year);
        }
    }

    /** Return true iff YEAR is a leap year.  */
    static boolean isLeapYear(int year) {
        if ((year % 400 == 0) || (year % 4 == 0 && year % 100 != 0))
            return true;

        return false;
    }

    /** Must be provided an integer as a command line argument ARGS. */
    public static void main(String[] args) {
        if (args.length < 1) {
            System.out.println("Please enter command line arguments.");
            System.out.println("e.g. java Year 2000");
        }
        for (int i = 0; i < args.length; i++) {
            try {
                int year = Integer.parseInt(args[i]);
                checkLeapYear(year);
            } catch (NumberFormatException e) {
                System.out.printf("%s is not a valid number.\n", args[i]);
```

Outline

Year

checl

isLea

main

Problems Javadoc Declaration Console

<terminated> Year [Java Application] C:\Program Files\Java\jdk-17.0.4.1\bin\javaw.exe (Sep 1, 2022, 6:32:19 PM – 6:32:19 PM) [pid: 40716]

```
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.
```

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