Coding Steps:

- 1. Create an interface named Logger.
- 2. Add two void methods to the Logger interface, each should take a String as an argument
 - a. Log
 - **b.** Error
- **3.** Create two classes that implement the Logger interface
 - a. AsteriskLogger
 - **b.** SpacedLogger
- **4.** The log method on the AsteriskLogger should print out the String it receives between 3 asterisks on either side of the String (e.g. if the String passed in is "Hello", then it should print ***Hello*** to the console.
- **5.** The error method on the AsteriskLogger should print the String it receives inside a box of asterisks, with the String preceded by the word "ERROR:". For example, if "Hello" is the argument, the following should be printed:

- **6.** The SpacedLogger should add spaces between each character of the String argument passed into its methods.
- 7. If the log method received "Hello" as an argument, it should print Hello
- **8.** The error method should do the same, but with "ERROR:" preceding the spaced out input (i.e. ERROR: Hello)
- **9.** Create a class named App that has a main method.
- **10.** In this class instantiate an instance of each of your logger classes that implement the Logger interface.
- 11. Test both methods on both instances, passing in Strings of your choice.

Screenshots of Code:

```
public class AsteriskLogger implements Logger { 
public void Log(String str) { 
}

@Override public void Error(String str) { 
}

@Override public void Error(String str) { 
}
```

```
| *Logger.java | *AsteriskLogger.java | *SpacedLogger.java | *DispacedLogger.java | *Dispac
```

```
Logger.java
                 AsteriskLogger.java X
J SpacedLogger.java
  10 /**
              a. AsteriskLoggerb. SpacedLogger
          4. The log method on AsterickLogger should print
             astericks on either side of the String(e.g.
             should print ***Hello*** to the console.
             of asterisks, with the String preceded by the
             argument, the following should be printed:
      * @author aaronlindsay
     public class AsteriskLogger implements Logger {
 240
       @Override
       public void Log(String str) {
   System.out.println("***" + str + "***");
▲25
 26
27
       }
```

```
Logger.java
               astericks on either side of the String(e.g. is should print ***Hello*** to the console.
           of asterisks, with the String preceded by the argument, the following should be printed:
     * @author aaronlindsay
    */
public class AsteriskLogger implements Logger {
23
24
      @Override
      public void Log(String str) {
   System.out.println("***" + str + "***");
300
     @Override
      34
35
        Log(error);
        }
39 }
```

```
Logger.java
                          AsteriskLogger.java
                                                           10 /*
                     a. AsteriskLoggerb. SpacedLogger
                7. If the log method received "Hello" as an argument, it should print H e l l o
         public class SpacedLogger implements Logger {
   140
            @Override
            public void Log(String str) {
   StringBuilder log = new StringBuilder();
   for (int i = 0; i < str.length(); i++) {
      log.append(str.charAt(i)).append(" ");
}</pre>
  15
                System.out.println(log);
23
249
• 25
26
27
28
29
            @Override
public void Error(String str) {
   String er = ("ERROR: " + str);
                Log(er);
             }
         }
```

```
Logger.java
                AsteriskLogger.java
                                      SpacedLogger.java
                                                            App.java X
 10 /*
        Create a class named App that has a main method.
   public class App {
      public static void main(String[] args) {
100
        Logger asteriskLogger = new AsteriskLogger();
        Logger spacedLogger = new SpacedLogger();
        asteriskLogger.Log("Hello!");
        asteriskLogger.Error("Bye!");
        System.out.println();
20
21
22
23
24
        spacedLogger.Log("Hello");
        spacedLogger.Error("DANGER!");
      }
    }
```

```
AsteriskLogger.java
SpacedLogger.java
                                                                        J App.java X ↓ Wk3HW.java
     9. Create a class named App that has a main method.
     public class App {
  10⊖ public static void main(String[] args) {
 11
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24
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26
          Logger asteriskLogger = new AsteriskLogger();
Logger spacedLogger = new SpacedLogger();
          asteriskLogger.Log("Hello!");
asteriskLogger.Error("Bye!");
          System.out.println();
           spacedLogger.Log("Hello");
spacedLogger.Error("DANGER!");
        }
      }
                                                                           🦹 Problems 🏿 Javadoc 🚇 Declaration 📃 Console 🗶
<terminated> App [Java Application] /Applications/Eclipse.app/Contents/Eclipse/plugins/org.eclipse.justj.openjdk.hotspo
***Hello!***
sintesimientesimientesimientesimientesimie
***Error: Bye!***
***********
Hello
ERROR:
                 DANGER!
```

Screenshots of Running Application:

URL to GitHub Repository:

https://github.com/AaronL1981/JavaWeek5.git