

```
public interface Logger {

    public void log(String log);
    public void error(String error);

}
```

```
public class Application {

    public static void main(String[] args) {

        Logger logger = new AsteriskLogger();

        logger.log("Hello");
        logger.error("not today");

        Logger logger2 = new SpacedLogger();
        logger2.log("Hello");
        logger2.error("Hello");

    }

}
```

```
public class AsteriskLogger implements Logger {

    @Override
    public void log(String log) {
        System.out.println("***" + log + "***");
    }

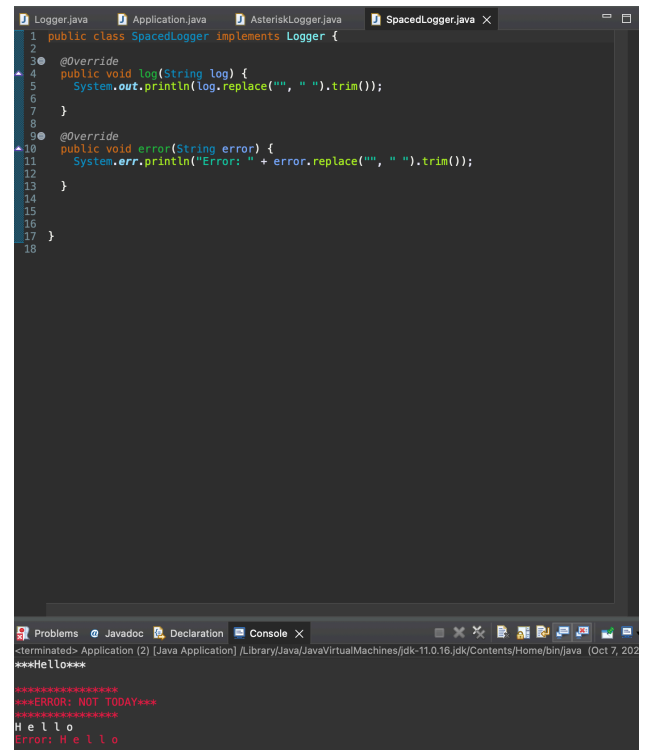
    @Override
    public void error(String error) {
        System.err.println();
        System.err.println("*****");
        System.err.println("***ERROR: " + error.toUpperCase() + "***");
        System.err.println("*****");
    }

}
```

```
public class SpacedLogger implements Logger {

    @Override
    public void log(String log) {
        System.out.println(log.replace(" ", " ").trim());
    }

    @Override
```



The screenshot shows an IDE with four tabs: Logger.java, Application.java, AsteriskLogger.java, and SpacedLogger.java. The SpacedLogger.java tab is active, showing the following code:

```
1 public class SpacedLogger implements Logger {
2
3     @Override
4     public void log(String log) {
5         System.out.println(log.replace(" ", " ").trim());
6     }
7
8     @Override
9     public void error(String error) {
10        System.err.println("Error: " + error.replace(" ", " ").trim());
11    }
12
13
14
15
16
17 }
18
```

The console window at the bottom shows the output of the Application class:

```
<terminated> Application (2) [Java Application] /Library/Java/JavaVirtualMachines/jdk-11.0.16.jdk/Contents/Home/bin/java (Oct 7, 2022)
***Hello***
*****
***ERROR: NOT TODAY***
*****
Hello
Error: Hello
```

```
public void error(String error) {  
    System.err.println("Error: " + error.replace("\n", " ").trim());  
}  
  
}
```