

<terminated> Application (1) [Java Application] /Library/Java/Java

Hello!

Error:Good Bye

H o w d y !

ERROR: S T O P !

```
1 package assignment;
2
3 public class Application {
4
5     public static void main(String[] args) {
6         Logger logger1 = new AsteriskLogger();
7         Logger logger2 = new SpacedLogger();
8
9         logger1.Log("Hello!");
10        System.out.println();
11        logger1.Error("Good Bye");
12
13        System.out.println();
14
15        logger2.Log("Howdy!");
16        System.out.println();
17        logger2.Error("STOP!");
18    }
19
20 }
21
```

Logger.java X AsteriskLogger.java

SpacedLogger.java

Application.java

```
1 package assignment;
2
3 public interface Logger {
4     public void Log(String log);
5     public void Error(String error);
6 }
7
```

```
1 package assignment;
2
3 public class SpacedLogger implements Logger{
4
5     public void Log(String log) {
6         StringBuilder spaces = new StringBuilder();
7         for (int i = 0; i < log.length(); i++) {
8             spaces.append(log.charAt(i)).append(" ");
9         }
10        System.out.println(spaces);
11    }
12
13    public void Error(String error) {
14        StringBuilder spaces = new StringBuilder();
15        for (int i = 0; i < error.length(); i++) {
16            spaces.append(error.charAt(i)).append(" ");
17        }
18        System.err.println("ERROR: " + spaces);
19    }
20
21 }
22
```

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