

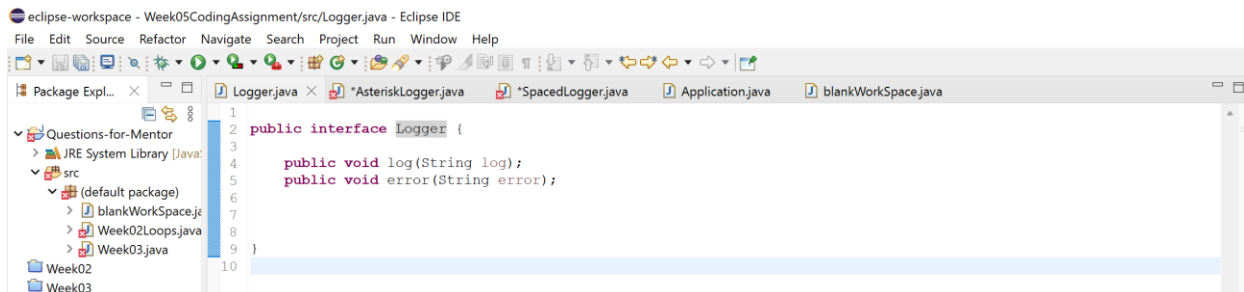
## Intro to Java Week 5 Coding Assignment

Category	Criteria	% of Grade
<b>Functionality</b>	Does the code work?	25
<b>Organization</b>	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
<b>Creativity</b>	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
<b>Completeness</b>	All requirements of the assignment are complete.	25

**Instructions:** In Eclipse, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your Java project code, to the repository. Add the URL for this week's repository to this document where instructed & submit this document to your instructor.

### Coding Steps:

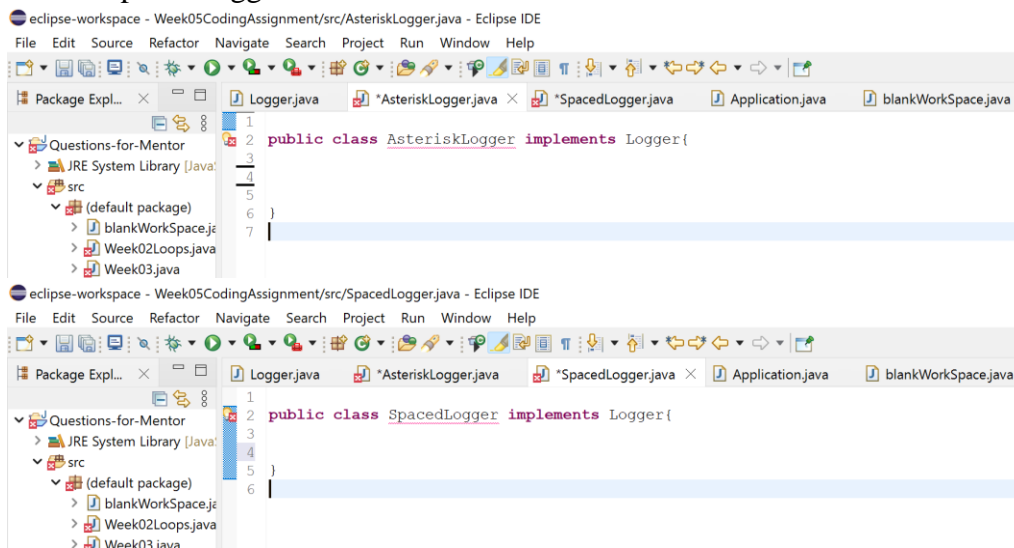
1. Create an interface named **Logger**.  
(see below)
2. Add two void methods to the **Logger** interface, each should take a **String** as an argument
  - a. **Log**
  - b. **Error**



```

1 public interface Logger {
2
3
4     public void log(String log);
5     public void error(String error);
6
7
8
9
10 }
  
```

3. Create two classes that implement the **Logger** interface
  - a. **AsteriskLogger**
  - b. **SpacedLogger**



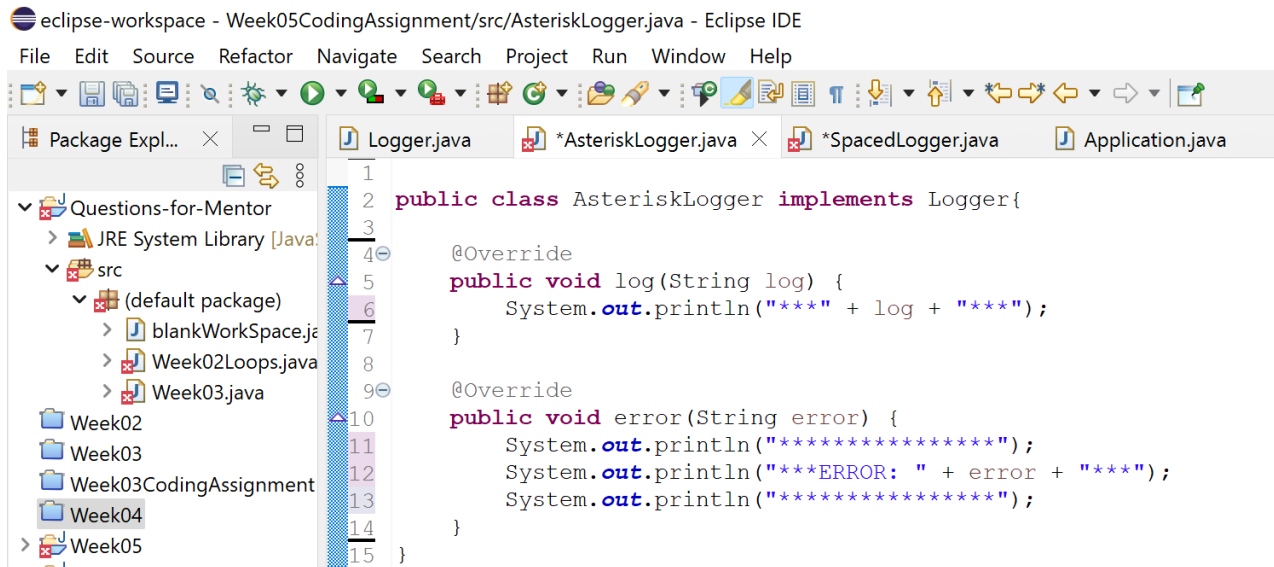
```

1 public class AsteriskLogger implements Logger{
2
3
4
5
6
7
8
9
10 }
  
```

```

1 public class SpacedLogger implements Logger{
2
3
4
5
6
7
8
9
10 }
  
```

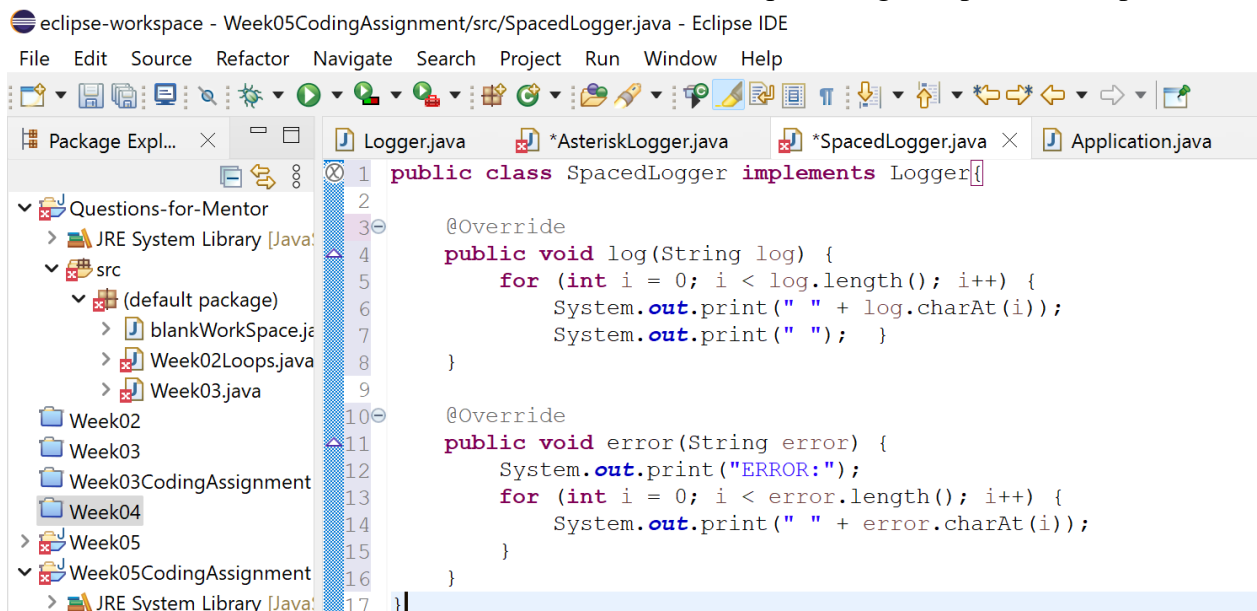
4. The log method on the AsteriskLogger should print out the String it receives between 3 asterisks on either side of the String. (see below)
5. The error method on the AsteriskLogger should print the String it receives inside a box of asterisks, with the String preceded by the word “ERROR:”.



The screenshot shows the Eclipse IDE with the file `AsteriskLogger.java` open. The package explorer on the left shows the project structure. The code in the editor is as follows:

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

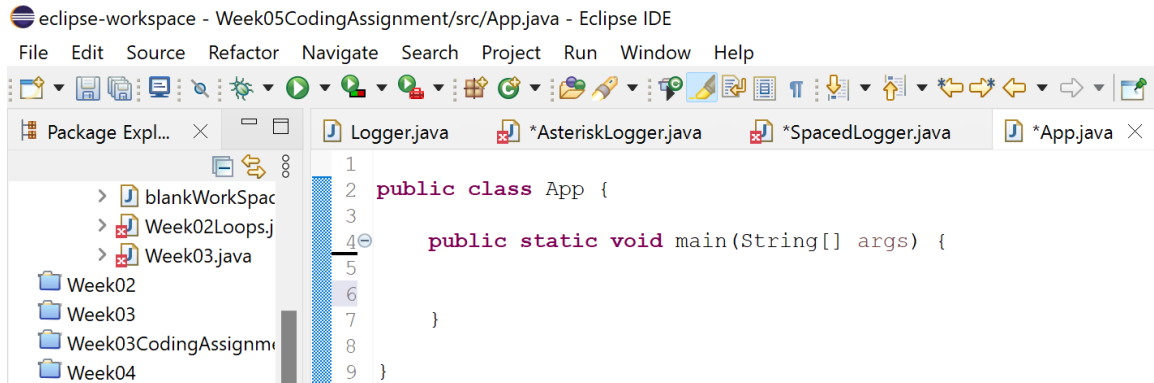
6. The SpacedLogger should add spaces between each character of the String argument passed into its methods. (see below)
7. If the log method received “Hello” as an argument, it should print H e l l o.  
(see below)
8. The error method should do the same, but with “ERROR:” preceding the spaced-out input.



The screenshot shows the Eclipse IDE with the file `SpacedLogger.java` open. The package explorer on the left shows the project structure. The code in the editor is as follows:

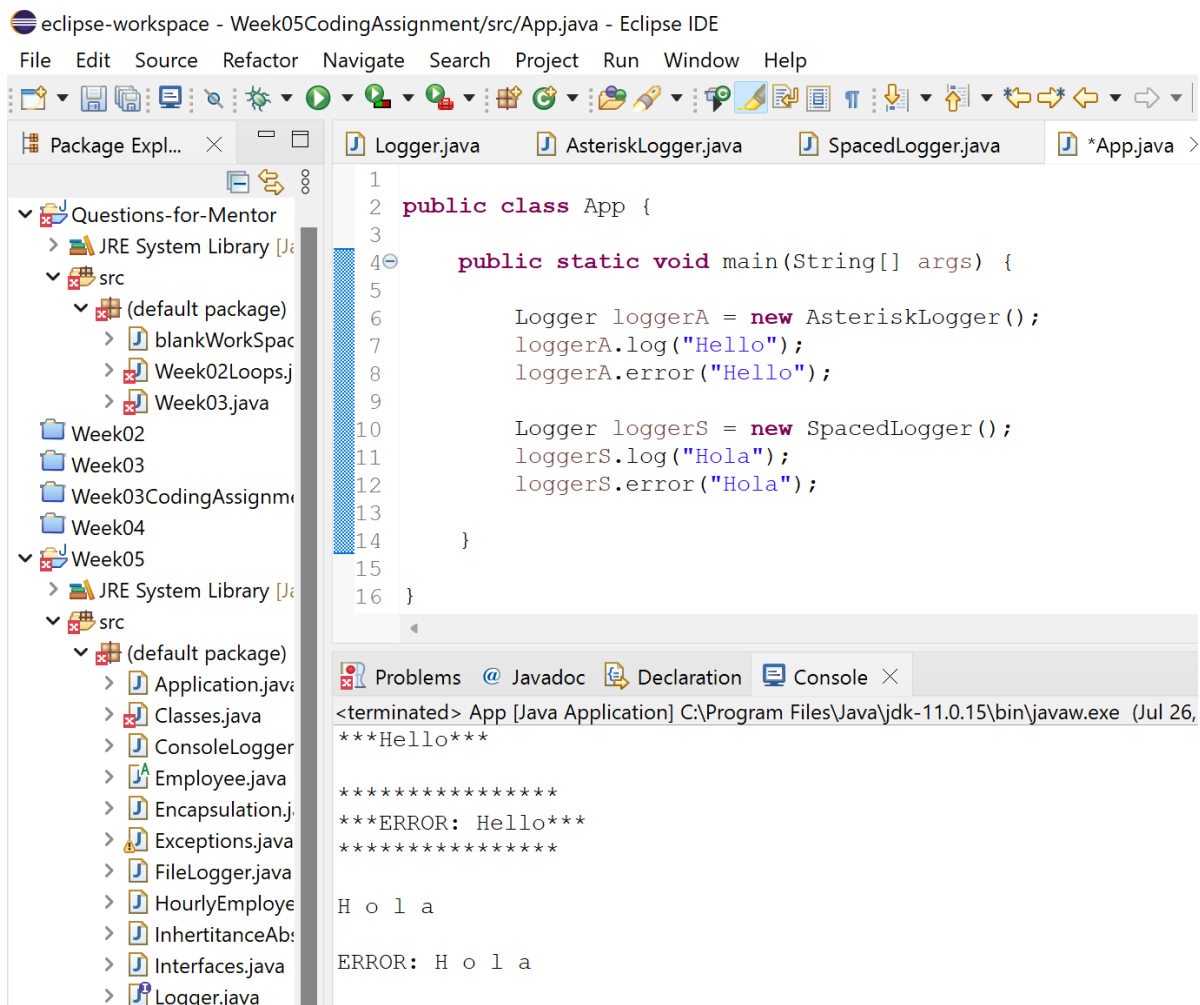
```
1 public class SpacedLogger implements Logger{
2
3     @Override
4     public void log(String log) {
5         for (int i = 0; i < log.length(); i++) {
6             System.out.print(" " + log.charAt(i));
7             System.out.print(" ");
8         }
9
10    @Override
11    public void error(String error) {
12        System.out.print("ERROR:");
13        for (int i = 0; i < error.length(); i++) {
14            System.out.print(" " + error.charAt(i));
15        }
16    }
17 }
```

## 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. (see below)

## 11. Test both methods on both instances, passing in Strings of your choice.



## URL to GitHub Repository:

<https://github.com/JaxYoungblood/Week05CodingAssignment.git>

# EXTENSION GRANTED: 9/12/22

## ERROR IN SUBMISSION

**Promineo Tech** Search Promineo Tech

**Threads**  
Direct messages  
Mentions & reactions  
Drafts 1  
Slack Connect  
More

**Channels**  
# 2022-06-23-besd-pacific  
# general  
# job-opportunities  
# previous-class-recordings  
# random  
Add channels

**Direct messages**  
Jax you  
Ed S. Locquiao  
Ed S. Locquiao, Travis Maide...  
J Foley  
Rachael Walunis  
Travis Maiden  
Troy  
Zach Rind  
Add teammates

**Rachael Walunis**

**Jax** 10:36 AM  
Hi Rachel! I have a non-coding issue... I was reviewing my grades and when I clicked on the Week05 Coding assignment it shows it was never submitted! I know I completed it on time, and when I checked GitHub (where we were supposed to upload it to) it DOES show that it was uploaded there on time.

I was wondering if it was possible to still count it as on time if I submit it now? The GitHub dated log should show that it was submitted then and has not been modified or changed since that date.

Please let me know and I then I will submit the PDF part onto the Promineo dashboard.

Thank you!

image.png

**Rachael Walunis** 10:39 AM  
Yes, that's perfectly fine. Can you make a note in your submission stating "extension granted: error in submission" and let me know when you submit your week 5 assignment?

**Jax** 10:40 AM  
Thank you so much! Ill do that right now!

Message Rachael Walunis

80°F Sunny 10:41 AM 9/12/2022