[Hi, now that you've made your LogEntry class, you need to parse the lines](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [of the web server log to be able to create instances of the LogEntry class.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [You'll do this by splitting the sting into the appropriate fields](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [to pass values to the constructor for the LogEntry class.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [You could accomplish this task with many indexOf and substring calls.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [Although this task is not algorithmically hard, the code for it is very cumbersome.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [For example, for the time portion of this entry,](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [you would need to turn the string in to a Date object.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [The built in Java class from the Java.util package which represents a date and time.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [Even though both the date and time class, as well as methods which parse strings,](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [are part of Java, the interface to the Date class is complex, especially](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [since the date format in the server logs is not the default format in Java.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [For these reasons, we've provided code for you which will take a string from the web](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [server logs, parse it into appropriate fields, and return a log entry record.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [To use this call WebLogParser.parseEntry and pass the string you want to parse.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [The method returns a LogEntry object.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[1:16](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[With that in mind, its time for you to starting the write the LogAnalyzer class.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [For right now, you're gonna write code in the constructor to initialize the object,](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [and then write the read file method.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [In later lessons, you'll write additional methods](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [that will perform that actually analysis of the log file that you've read in.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[1:36](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[The first thing you would do to fill in the code for the constructor.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [The constructor should initialize that the record fields to an empty ArrayList.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [You've created ArrayLists in the past so](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [what you need to accomplish this task should be familiar.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [The second thing you should do is fill in code for the readFile method.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[1:55](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[This method will determine the file name to read from and then add log](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [entries to the records field to reflect the information from the file you opened.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [To accomplish this task, you will want to make a FileResource for](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [the requested file.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [You will then want to iterate over the FileResource's lines.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [And for each line, you will use the WebLogParser.parseEntry method](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [to convert the line of text into a LogEntry.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [Then you'll add that LogEntry to the records field, which as you may recall,](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [is an ArrayList.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[2:30](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)

[When you've written a constructor and the readFile method,](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [you'll want to test out your code.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [We've provided a convenient method called printAll, which will print](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [all the log entries you've stored in the instance variable records.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [Remember the .toString method that we taught about?](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [System.out.println will make use of that .toString method to](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [represent the log entry as a string.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [Once all this works, it will be time to start analyzing the data you've read in.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files) [Happy coding.](https://www.coursera.org/learn/java-programming-arrays-lists-data/lecture/chV8J/parsing-log-files)