

Reading Log Files

Parsing Log Files

Reading Log File

- Made LogEntry class
 - Need to parse line to create instances
 - Split String into fields
 - Many indexOf and substring
 - Time: turn String into Date
 - Built in, but complicated interface
- We gave you code to do this
 - WebLogParser.parseEntry

LogAnalyzer Class

```
public class LogAnalyzer {  
    private ArrayList<LogEntry> records;  
    public LogAnalyzer() {  
        //For you to write  
    }  
    public void readFile(String filename) {  
        //For you to write  
    }  
}
```

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Initialize records to an empty ArrayList

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Create a FileResource **for** filename

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Create a `FileResource` for filename
Iterate over its lines for each one,

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Create a `FileResource` for filename

Iterate over its lines for each one,

Use `WebLogParser.parseEntry`

Add the resulting `LogEntry` to records

LogAnalyzer Class

```
public void printAll() {  
    for (LogEntry le : records) {  
        System.out.println(le);  
    }  
}
```

Provided `printAll()` to help you test your code
- Implicitly uses `.toString()` in `LogEntry`