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Reading Log Files

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Understanding Log Files

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LogEntry Class with toString

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Parsing Log Files

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Summary

45 sec

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Programming Exercise: Reading Log Files

10 min

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Practice Quiz: Reading Log Files

3 questions

Finding Unique IP Addresses

Counting Website Visits

Review

Web Server Logs Module

In this module, you will learn about how web server logs store information about visitors to a website, and you will write programs to access information like user IP address, date and time of access, and more.

Using Java programs you write in this module, you will be able to:

1. Read information from a web server log;

2. Count the number of unique visitors to your website; and

3. Count the number of times each visitor uses your website.

More Course Resources

<http://www.dukelearntoprogram.com/course3/index.php> - This website of programming resources contains pages for each course in the Duke Java Programming specialization. The link above for this course is where you will go to:

• Download the custom version of the BlueJ environment;

• Find project resources, such as example code from the lecture videos;

• Download images and data files for the programming exercises; and

• See documentation for the custom classes developed for this course.

Lecture Slides

Reading Log Files

ReadingLogFilesIntroduction.pdf

ParsingLogFiles.pdf

ReadingLogFilesSummary.pdf

Finding Unique IP Addresses

FindingUniqueIPAddressesIntroduction.pdf

Equality.pdf

UniqueIPsummary.pdf

Counting Website Visits

CountingVisitsIntroduction.pdf

CountingVisitsDevelopingAnAlgorith.pdf

HashMapForUniqueIPs.pdf

CountingWebsiteVisitsSummary.pdf

✓ Complete

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