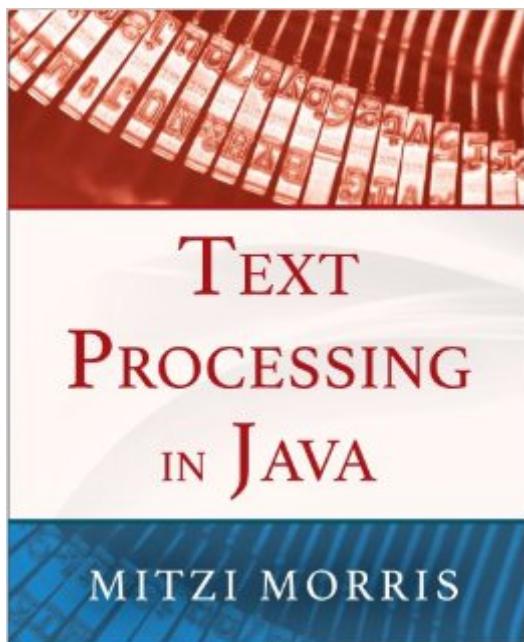


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# Text Processing In Java



## Synopsis

This book teaches you how to master the subtle art of multilingual text processing and prevent text data corruption. It provides an introduction to natural language processing using Lucene and Solr. It gives you tools and techniques to manage large collections of text data, whether they come from news feeds, databases, or legacy documents. Each chapter contains executable programs that can also be used for text data forensics. Topics covered:

- Unicode code points
- Character encodings from ASCII and Big5 to UTF-8 and UTF-32LE
- Character normalization using International Components for Unicode (ICU)
- Java I/O, including working directly with zip, gzip, and tar files
- Regular expressions in Java
- Transporting text data via HTTP
- Parsing and generating XML, HTML, and JSON
- Using Lucene 4 for natural language search and text classification
- Search, spelling correction, and clustering with Solr 4

Other books on text processing presuppose much of the material covered in this book. They gloss over the details of transforming text from one format to another and assume perfect input data. The messy reality of raw text will have you reaching for this book again and again.

## Book Information

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## Customer Reviews

This is an essential reference book for Java developers working with text data. It covers in detail the arcane world of character encodings and ends with how to setup Lucene/SOLR search engines. Java's character and string classes are thoroughly explained. There is coverage of Java I/O, regular expressions and common web formats like HTML, JSON etc as well. The code is clear with worked

examples based on the Federalist papers which is pretty cool.

This is a very solid book that explains some of the techniques that I had been lacking, or just confused about. I recommend it as a staple for the Java developer.

Great source for java text proccessing

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