## Required Vocabulary Optional Vocabulary

Data Zip Code

File Jagged

Scanner Tallying

Checked Exception Wrapper Classes

*throws* Clause Boxing

Token-Based Processing Unboxing

Consuming

Input Cursor

Scanner Parameters

Paths

Directories

File Path

Current Directory or Working Directory

Complex

Line-based Processing

Output Files

Guarantee

Array

Index

Zero-based Indexing

Constructing

Traversing

Auto-Initialization

Accessing

Random

*for-each* Loop

Initializing

Searching

Replacing

Equality

Reversing

Semantics

Value Semantics or Value Types

Reference Semantics or Reference Types

Efficiency

*null*

Multidimensional

Generic

Basic

Operations