# Lucene Package Structure:

Lucene:

├── Analysis:

│ ├── Analyzer\_Common: Analyzers for indexing content in different languages and domains

│ ├── Analyzer\_Icu: Analyzer integration with ICU (International Components for Unicode)

│ ├── Analyzer\_Kuromoji: Japanese Morphological Analyzer

│ ├── Analyzer\_Morfologik: Analyzer for dictionary stemming, built-in Polish dictionary

│ ├── Analyzer\_Nori: Korean Morphological Analyzer

│ ├── Analyzer\_OpenNLP: OpenNLP Library Integration

│ ├── Analyzer\_Phonetic: Analyzer for indexing phonetic signatures (for sounds-alike search)

│ ├── Analyzer\_Smartcn: Analyzer for indexing Chinese

│ ├── Analyzer\_Stempel: Analyzer for indexing Polish

│ └── Analyzer\_Uima: Analysis integration with Apache UIMA

├── Backward\_codecs:

│ └── Backward\_Codecs: Codecs for older versions of Lucene.

├── Benchmark:

│ └── Benchmark: System for benchmarking Lucene

├── Classfication:

│ └── Classfication: Classification module for Lucene

├── Codecs:

│ └── Codecs: Lucene codecs and postings formats.

├── Core:

│ └── Core: Lucene core library

├── Demo:

│ └── Demo: Simple example code

├── Docs:

│ └── Docs: Contain all Lucene Java documentations

├── Expressions:

│ └── Expressions: Dynamically computed values to sort/facet/search on based on a pluggable grammar.

├── Facet:

│ └── Facet: Faceted indexing and search capabilities

├── Grouping:

│ └── Grouping: Collectors for grouping search results.

├── Highliter:

│ └── Highliter: Highlights search keywords in results

├── Join:

│ └── Join: Index-time and Query-time joins for normalized content

├── Licenses:

│ └── Licenses: Contain Lucene Licenses

├── Memory:

│ └── Memory: Single-document in-memory index implementation

├── Misc:

│ └── Misc: Index tools and other miscellaneous code

├── Queries:

│ └── Queries: Filters and Queries that add to core Lucene

├── Queryparser:

│ └── Queryparser: Query parsers and parsing framework

├── Replicator:

│ └── Replicator: Files replication utility

├── Sandbox:

│ └── Sandbox: Various third party contributions and new ideas

├── Spatial:

│ └── Spatial: Geospatial search

├── Spatial3d:

│ └── Spatial3d: 3D spatial planar geometry APIs

├── Spatial\_extras:

│ └── Spatial\_extras: Geospatial search

├── Suggest:

│ └── Suggest: Auto-suggest and Spellchecking support

└── Test\_framework:

└── Test\_framework: Framework for testing Lucene-based applications