Architecture of a Search Engine (Karaoke Version)
Architecture of a Search Engine (Karaoke Version)

Indexing

Storage

Retrieval
Architecture of a Search Engine (Karaoke Version)

Acquisition
- crawling
- plain text conversion
- encoding unification

Indexing

Storage

Retrieval

Document store

?
Architecture of a Search Engine (Karaoke Version)

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Acquisition

Text analysis
- index terms
- meta data
- classification

Document store

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Acquisition:
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- index terms
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Indexing:
- term weighting
- doc. embedding
- collection statistics

Storage:
- Document store
- Index

Retrieval: 

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query
In general, a \textit{query} is a form of questioning, in a line of inquiry.
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To ask or inquire about: No one queried his presence.
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- term weighting
- doc. embedding
- collection statistics

**Storage**
- Log
  - queries, clicks, dwell times
- Document store
- Index

**Query**
- Query analysis
  - q
- Query synthesis
  - Snippet generation
- Query processing

**Retrieval**
- Retrieval model
  - d1 7.9
  - d2 6.8
  - d3 6.2

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- Language model
- Index

**Retrieval**
- Query analysis
- Query synthesis
- Snippet generation
- Relevance inference
- Query processing
- Re-ranking
- Retrieval model

**Retrieval**
- query
  - query meaning
  - query definition
  - query string

**Query**
- en.wikipedia.org › wiki › Query
  - Query - Wikipedia
  - In general, a query is a form of questioning, in a line of inquiry.

- dictionary.com › browse › query
  - Query | Dictionary.com
  - to ask or inquire about: No one queried his presence.
In general, a query is a form of questioning, in a line of inquiry.

To ask or inquire about: No one queried his presence.
A query is a statement or question that is put to someone or something in order to elicit information or receive an answer [1]. It can also be used to retrieve information from a database [2].

[1] Merriam Webster