

Task Sheet 1

Basics and Motivation

1. Briefly explain the term *information retrieval*!
2. Differentiate between the terms *data*, *knowledge* and *information* in the context of information retrieval! Describe their relationship to one another!
3. Describe the typical tasks in the field of information retrieval! Use examples!
4. Repetition: What is a *database system*? Which properties should it have?
5. Differentiate between the terms *information retrieval* and *fact retrieval* and explain the differences briefly!
6. Explain the main aspects of a *retrieval model* and sketch the basic search process in IR!
7. Explain the main differences between a *boolean retrieval model*, a *vector space model* and a *probabilistic model*!
8. Explain the idea behind *inverted lists* and the query procession of a **AND** and an **OR** query. Why does sorting increase the efficiency of the inverted list?