

Database Management Systems

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Representing Data Elements

- This chapter introduces important low-level details of how to represent data
- In particular representation of attributes with fixed and variable length representation
- Several fields are put together as records (tuples) represented using fixed and variable length
- Several records packed in physical disk block. Associated data structures are discussed
- The entire relation (table) and its representation in terms of collection of disk blocks called file

Detailed reading

- From the book **Database systems the complete book**
- Read section 12.1 data elements and fields
- Section 12.2 Records
- Section 12.3 Representing blocks and record addresses
- Read the example problems 12.1 to 12.7