

Tutorial Sheet 1

1. List three examples of simplistic everyday databases we all use.
2. Define the following terms: data, database, DBMS, database system, database catalog, program-data independence, user view, DBA, end user, canned transaction, metadata.
3. What three main types of actions involve databases? Briefly discuss each.
4. Discuss the main characteristics of the database approach and how it differs from traditional file systems.
5. What are the responsibilities of the DBA and the database designers?
6. What are the different types of database end-users? Discuss the main activities of each.
7. Discuss the capabilities that should be provided by the DBMS.
8. [2007/8R Q4b] Which advantages does a database management systems (DBMS) provide in comparison with a file management system? Discuss the relevant DBMS characteristics in this context.
9. [2007/8R Q5b] What are the tasks of a database administrator (DBA)? Which components of a database system architecture are important for the main tasks of a database administrator?
10. [2006/7 Q5b] Describe the 3-level architecture of database management systems.