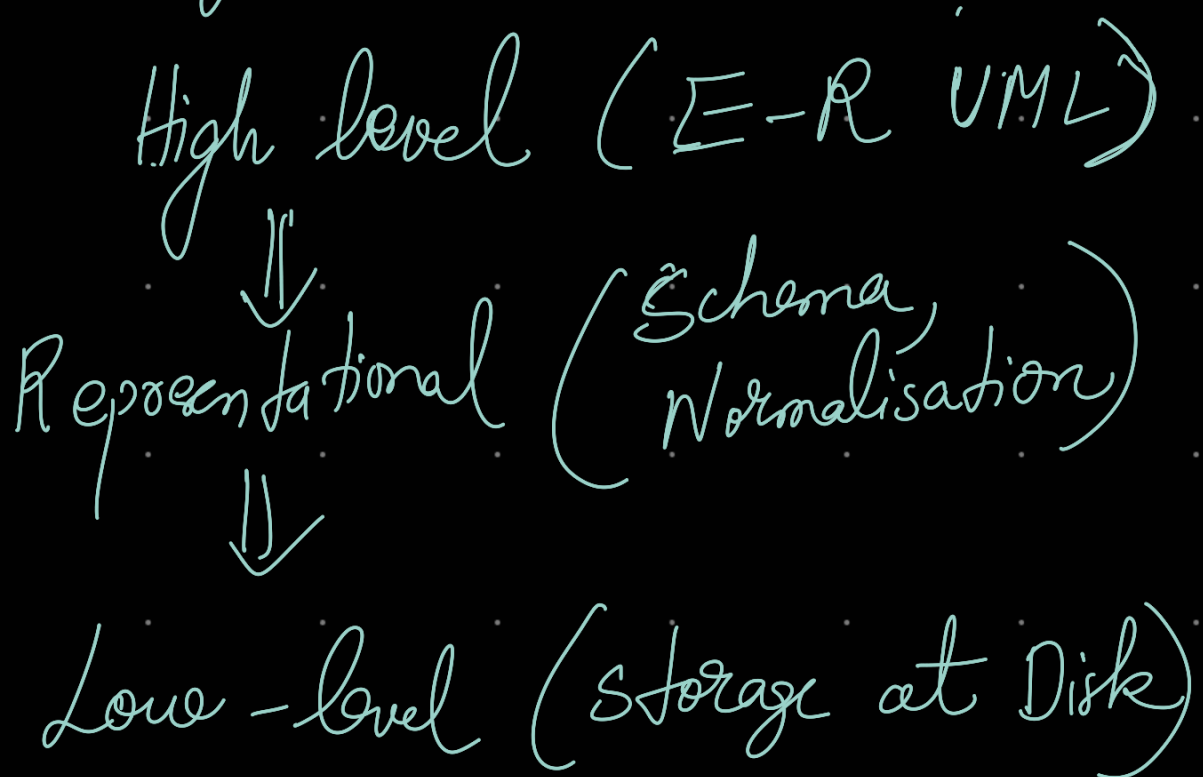


Relational Databases

- * Relational databases have tables to store records. How these records are stored physically is abstracted by DBMS.
- * Physical structure of records in HDD in later sections.

Steps to Design Relational Databases



Database system architecture

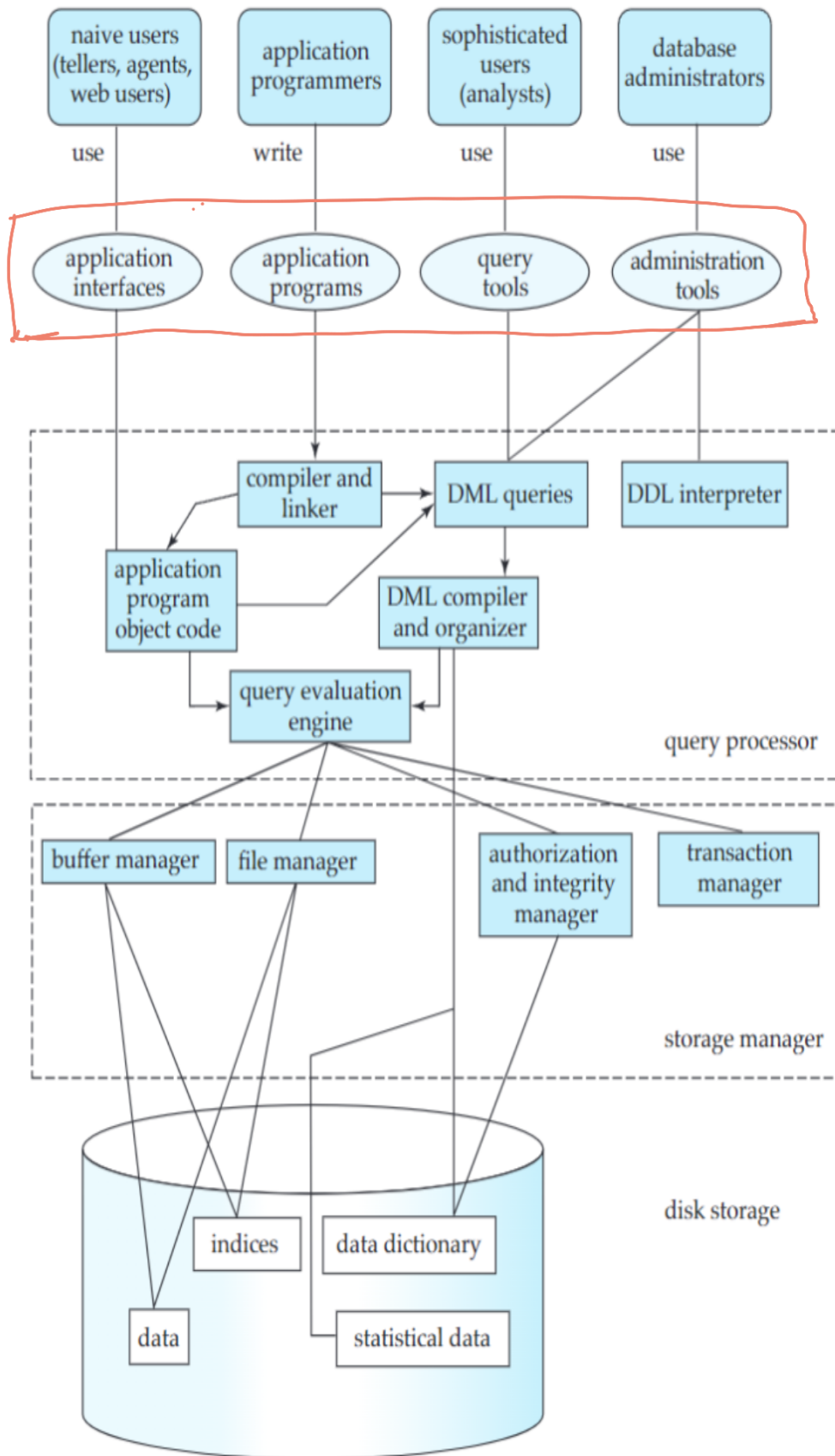


Figure 1.5 System structure.

Famous Relational Databases

1. MySQL
2. PostgreSQL] → open source

3. Oracle

4. SQLite

5. MariaDB → open source

6. Amazon Aurora

7. IBM Db2

* All these database differs in implementation of various parts of DBMS shown above.

* Some focus on query processor, some focus on storage manager.

Two and Three Tier architecture

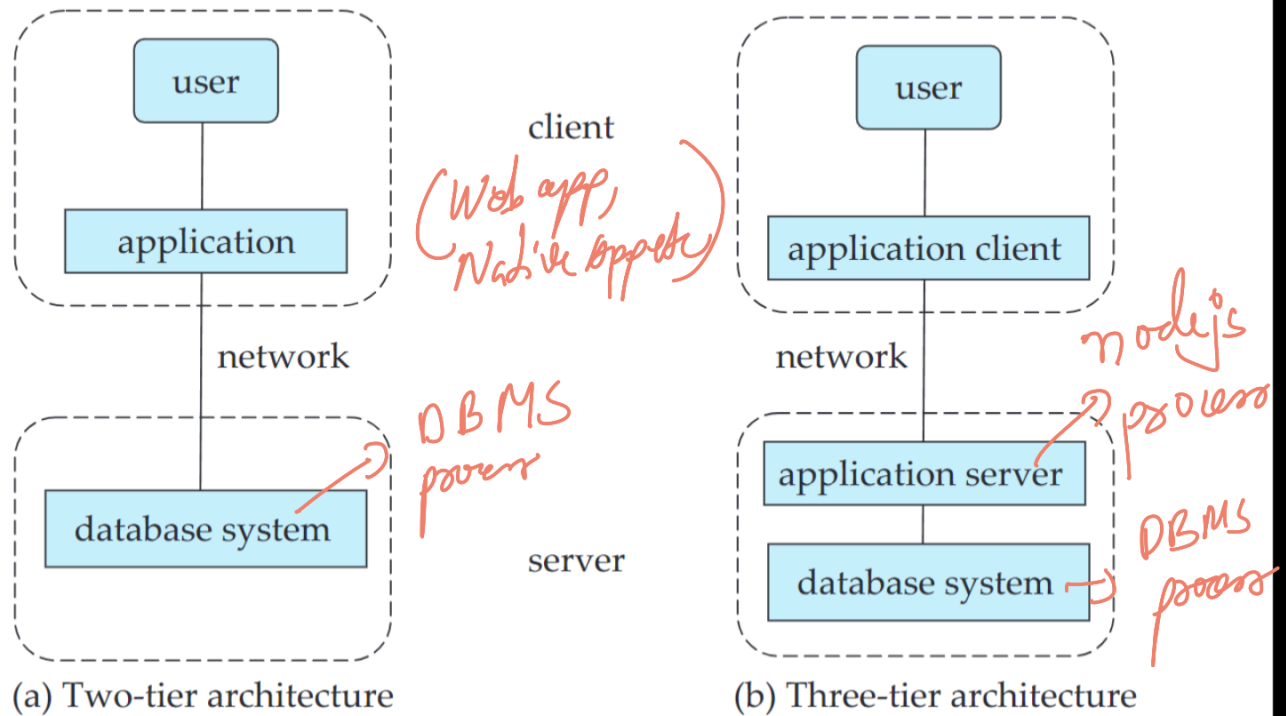


Figure 1.6 Two-tier and three-tier architectures.