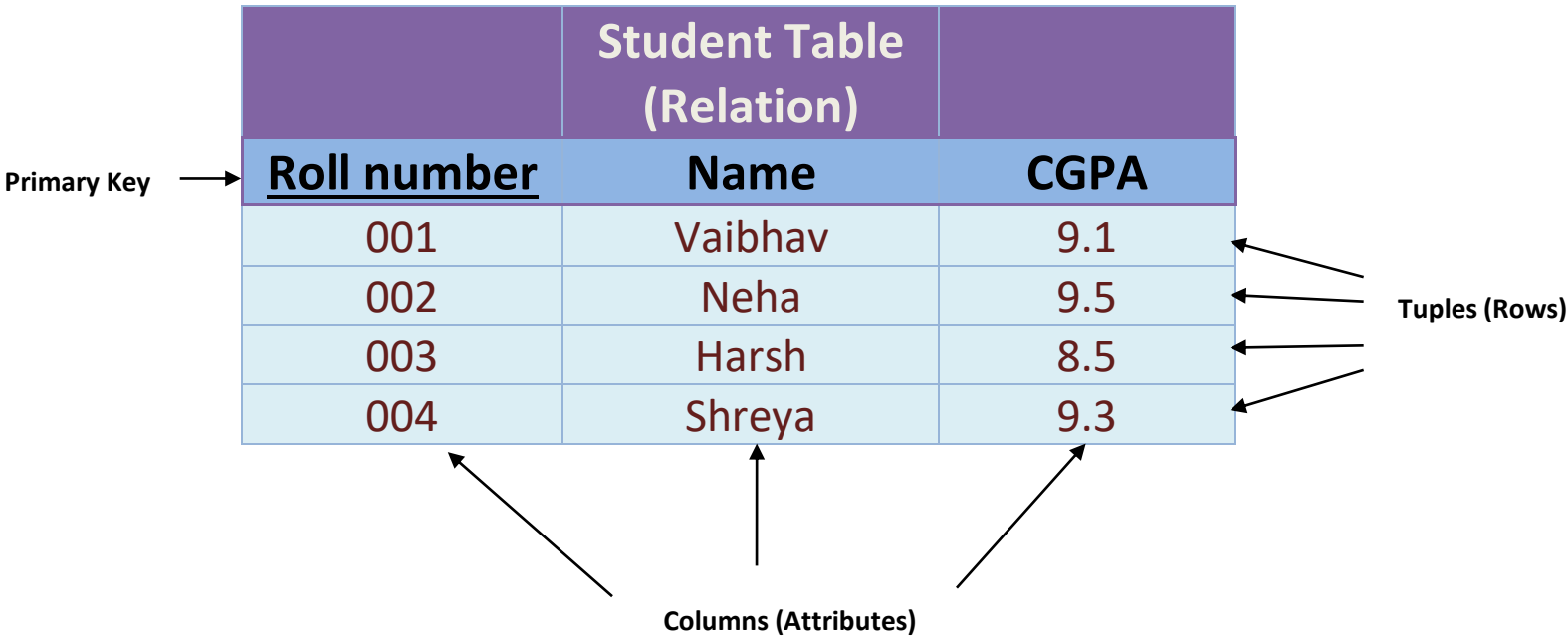
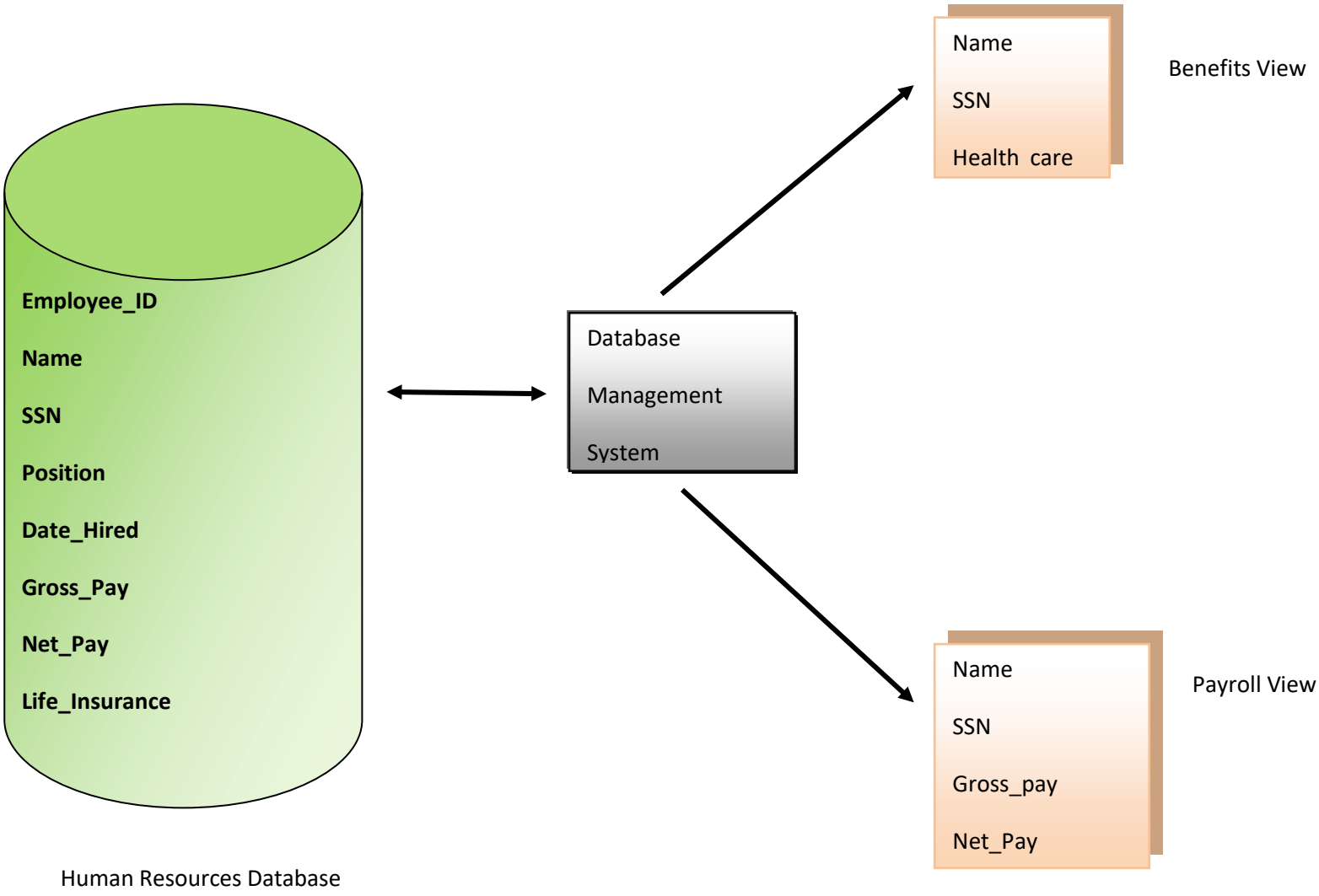
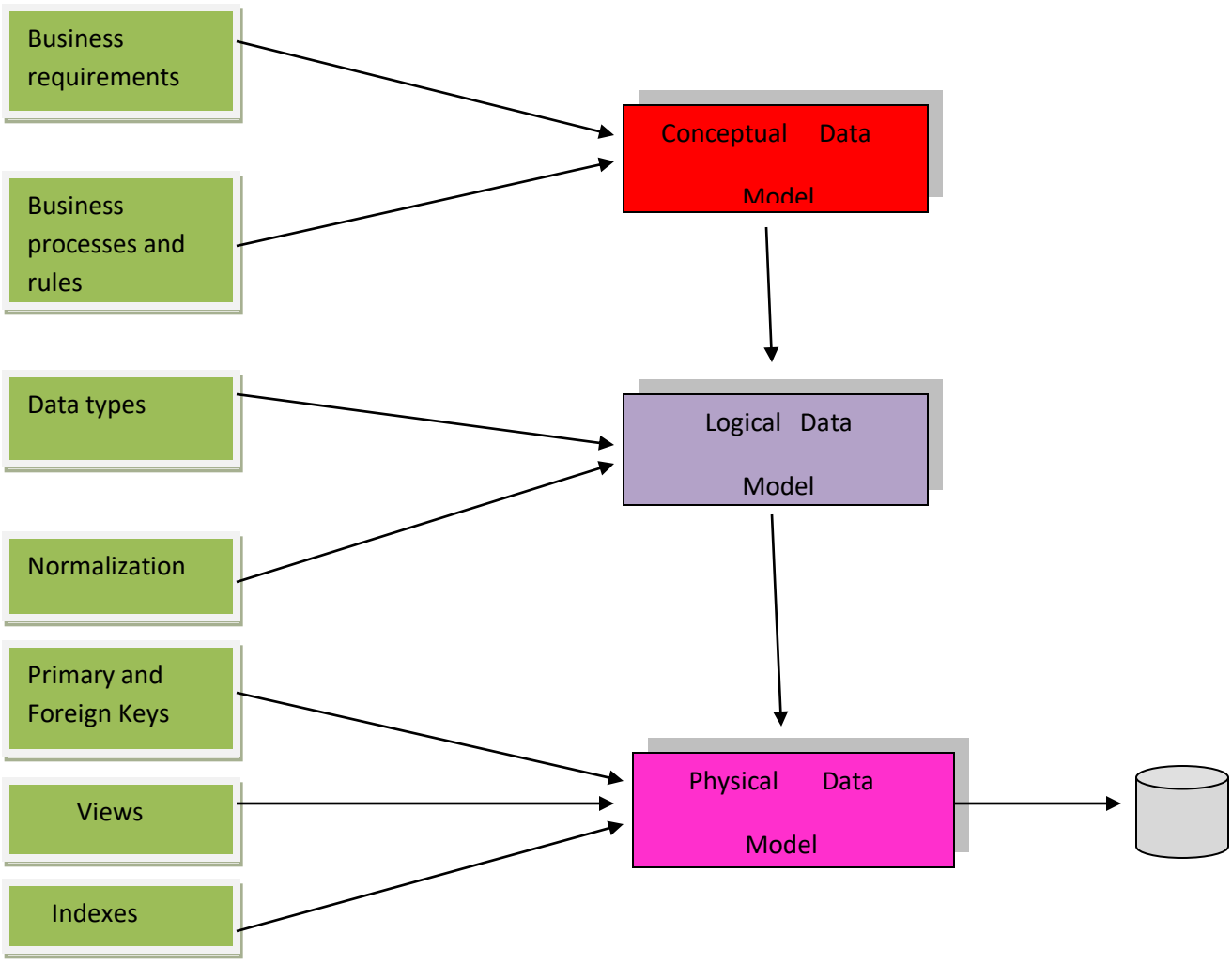
Relational Model in DBMS





Human Resources Database


Business requirements
Business processes and rules
Conceptual Data Model
Data types
Normalization
Logical Data Model
Primary and Foreign Keys
Views
Indexes
Physical Data Model

DATA MODELS IN DATABASE DESIGN

End User View

External Level

Conceptual Model

Database

DB Designer View

Logical View

Logical Model

Database

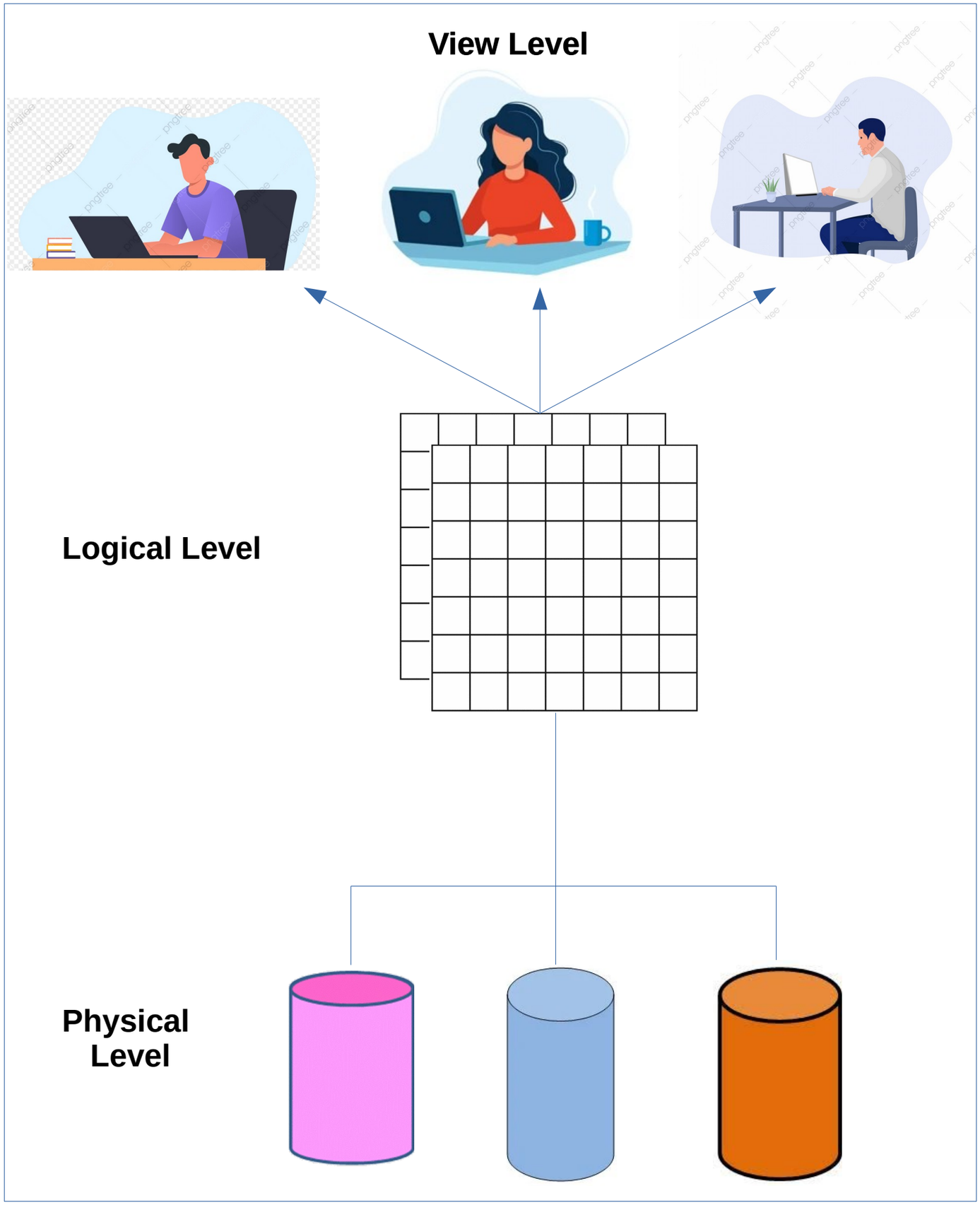
DB Designer View

Internal Level

Physical Model

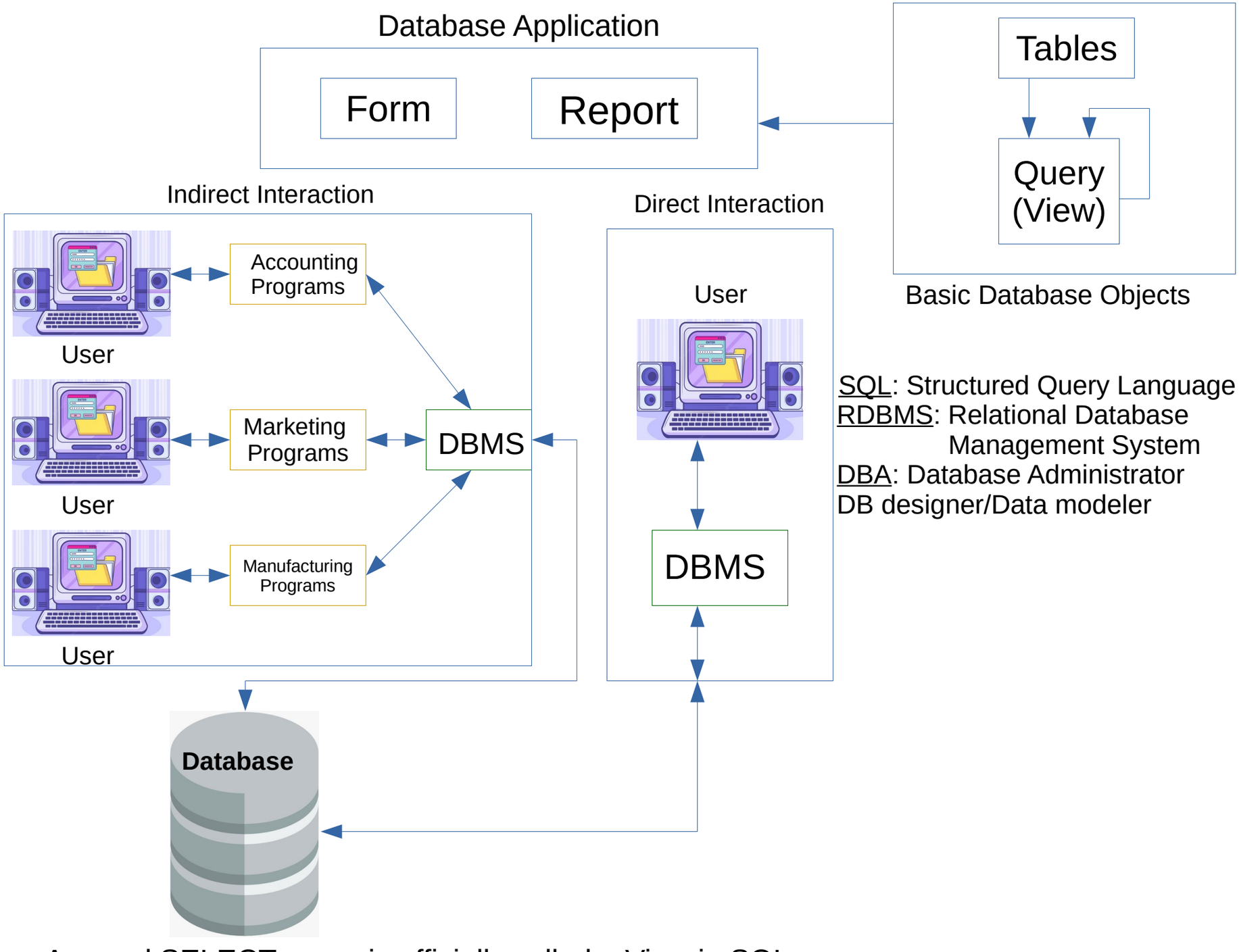
Database

End User – Actual Database System User
DB Designer – Designs DB Model and Actual Database
DB Programmer – Designs DB Software Application



Three-Schema Architecture

Relationships among Access Database Objects



SQL: Structured Query Language
RDBMS: Relational Database Management System
DBA: Database Administrator
DB designer/Data modeler

- A saved SELECT query is officially called a View in SQL.
- QUERY in Access can be SELECT, INSERT, UPDATE, or DELETE.
- You can create a query against a table or a query.
- You can create a form or report against a table or a query.