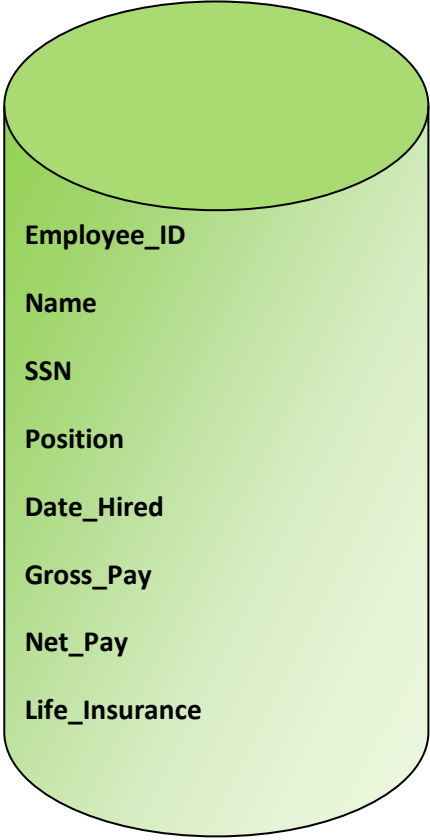


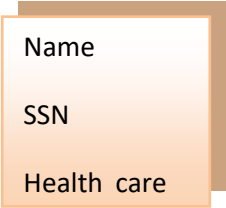
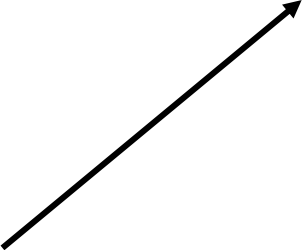
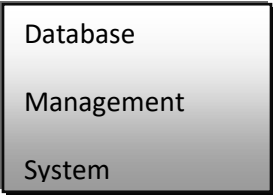
# Relational Model in DBMS

The diagram illustrates a relational database table named "Student Table (Relation)". The table has three columns: "Roll number" (underlined, indicating it is the primary key), "Name", and "CGPA". The data is organized into four rows (tuples). Annotations include an arrow pointing to the "Roll number" header labeled "Primary Key", and four arrows pointing to the data rows labeled "Tuples (Rows)". Additionally, three arrows point to the "Roll number", "Name", and "CGPA" headers from below, labeled "Columns (Attributes)".

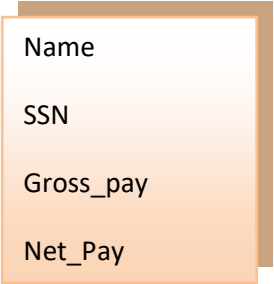
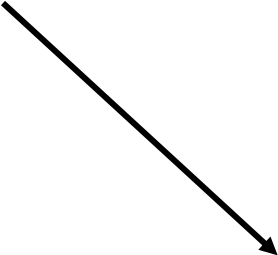
Student Table (Relation)		
<u>Roll number</u>	Name	CGPA
001	Vaibhav	9.1
002	Neha	9.5
003	Harsh	8.5
004	Shreya	9.3



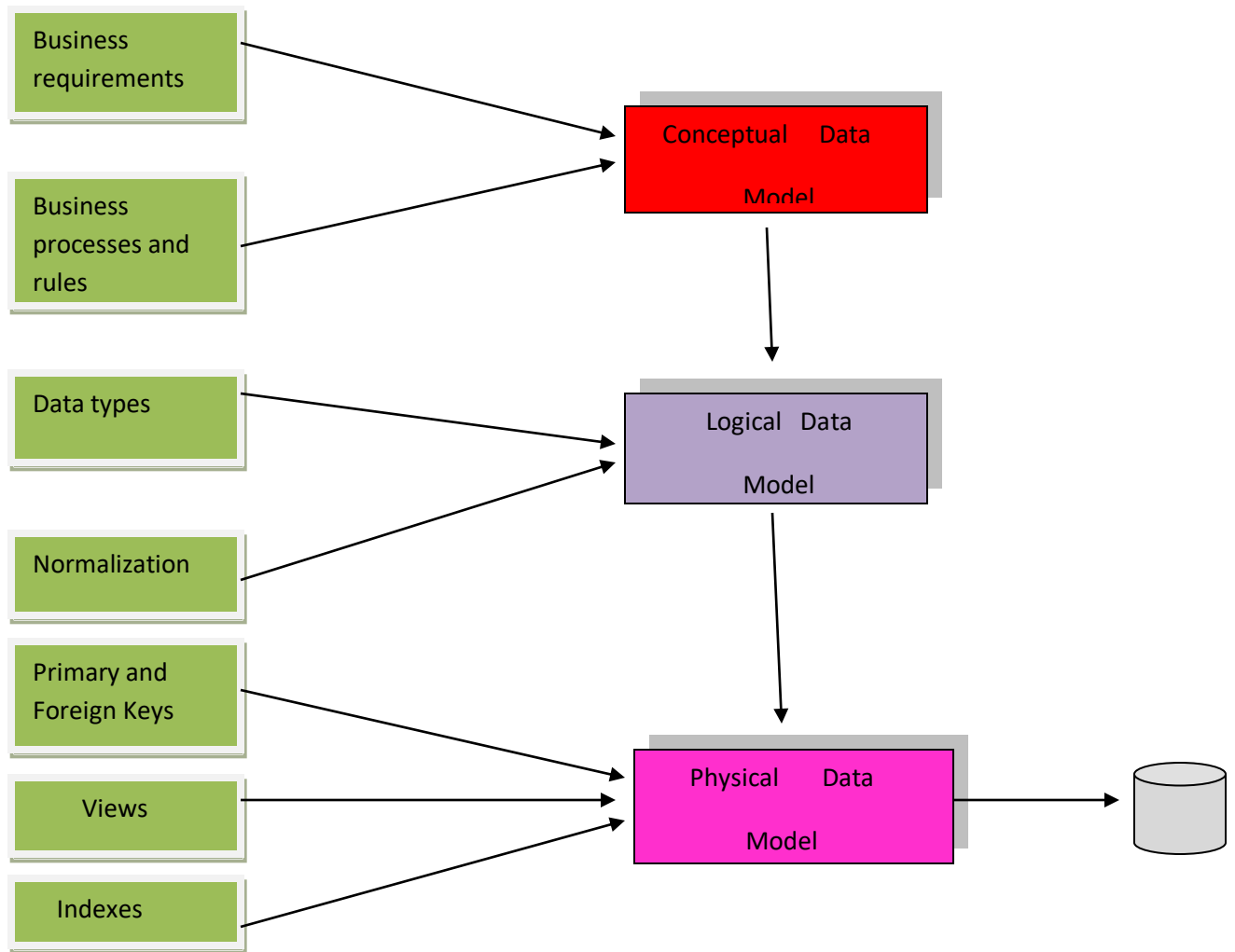
Human Resources Database



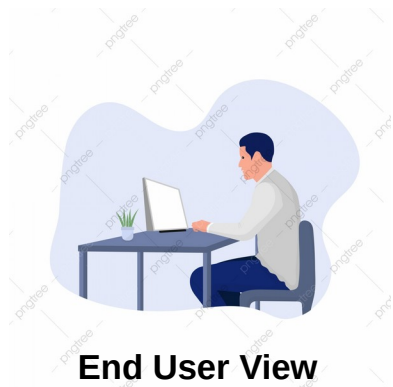
Benefits View



Payroll View



# DATA MODELS IN DATABASE DESIGN



**End User View**

External Level  
**Conceptual Model**



**Database**



**DB Designer View**

Logical View  
**Logical Model**



**Database**



**DB Designer View**

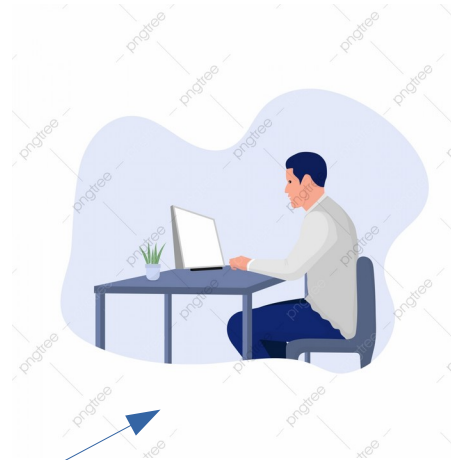
Internal Level  
**Physical Model**



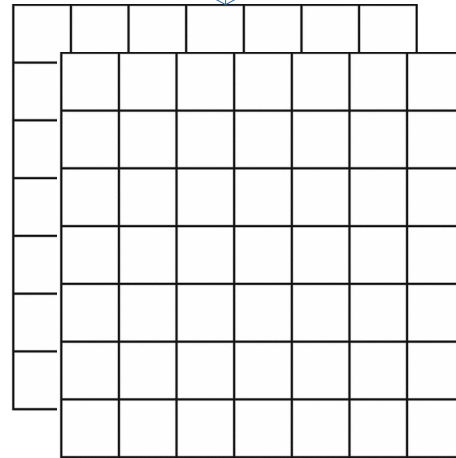
**Database**

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

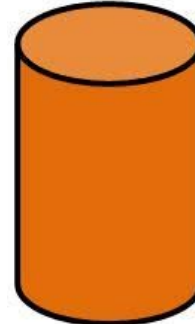
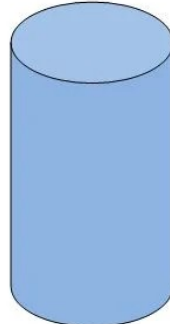
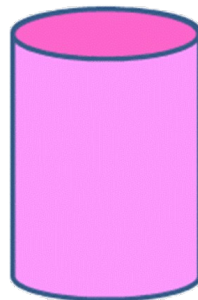
## View Level



## Logical Level

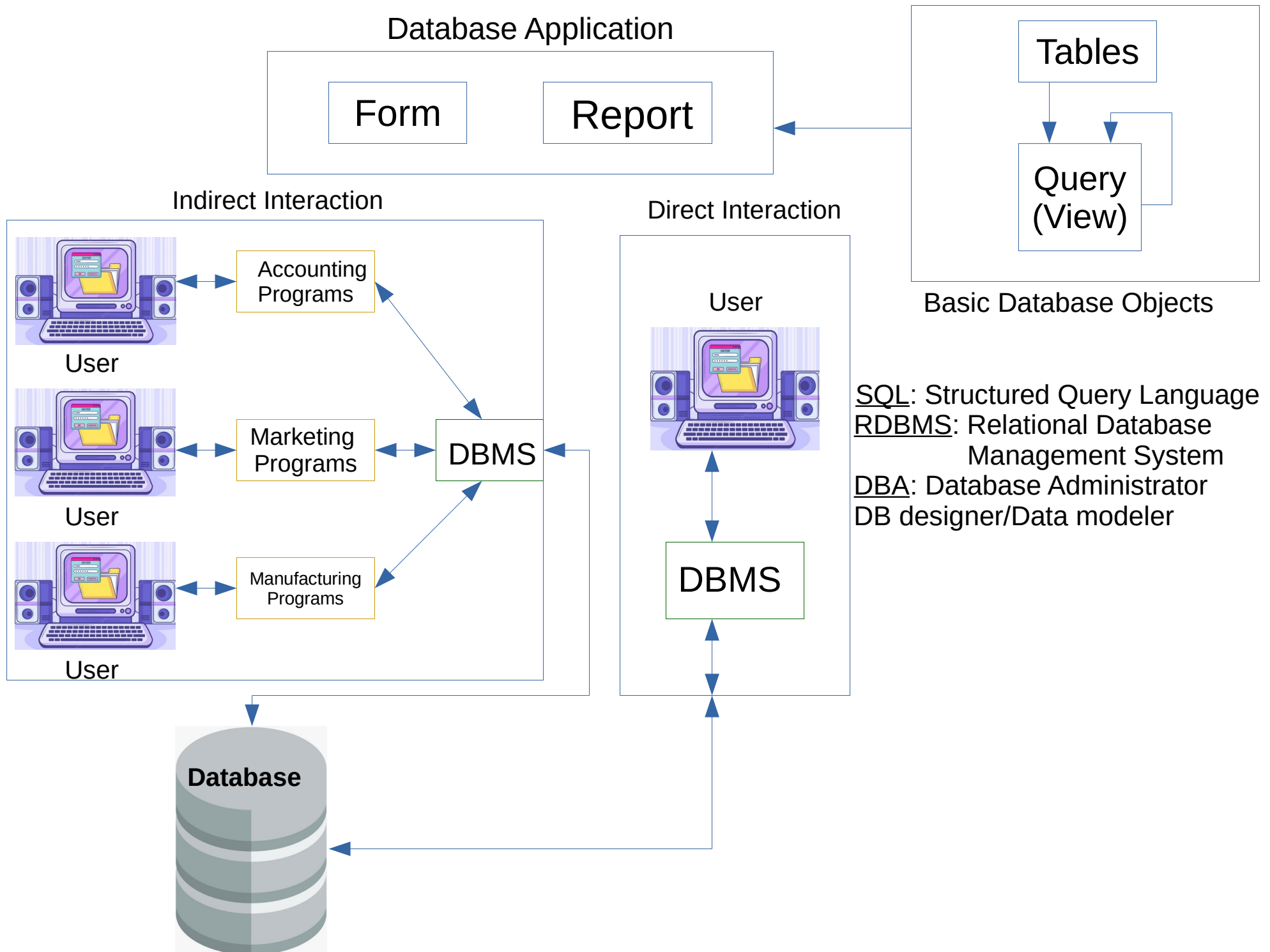


## Physical Level



# Three-Schema Architecture

## Relationships among Access Database Objects



- 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.