Lecture (1)
"Introduction to Data Base"

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Course Information

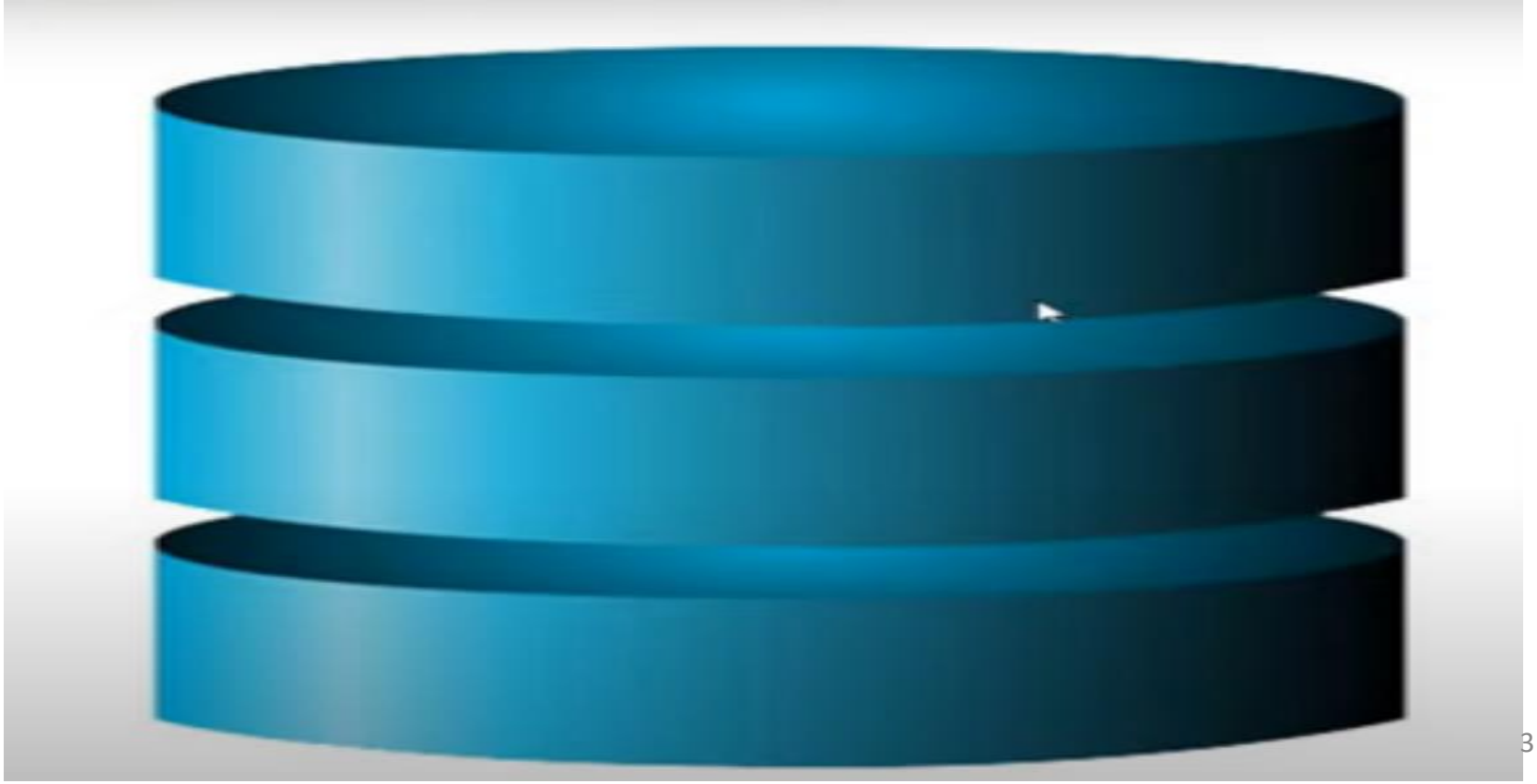
- Lecturers:

Dr. Nehal Elazaly

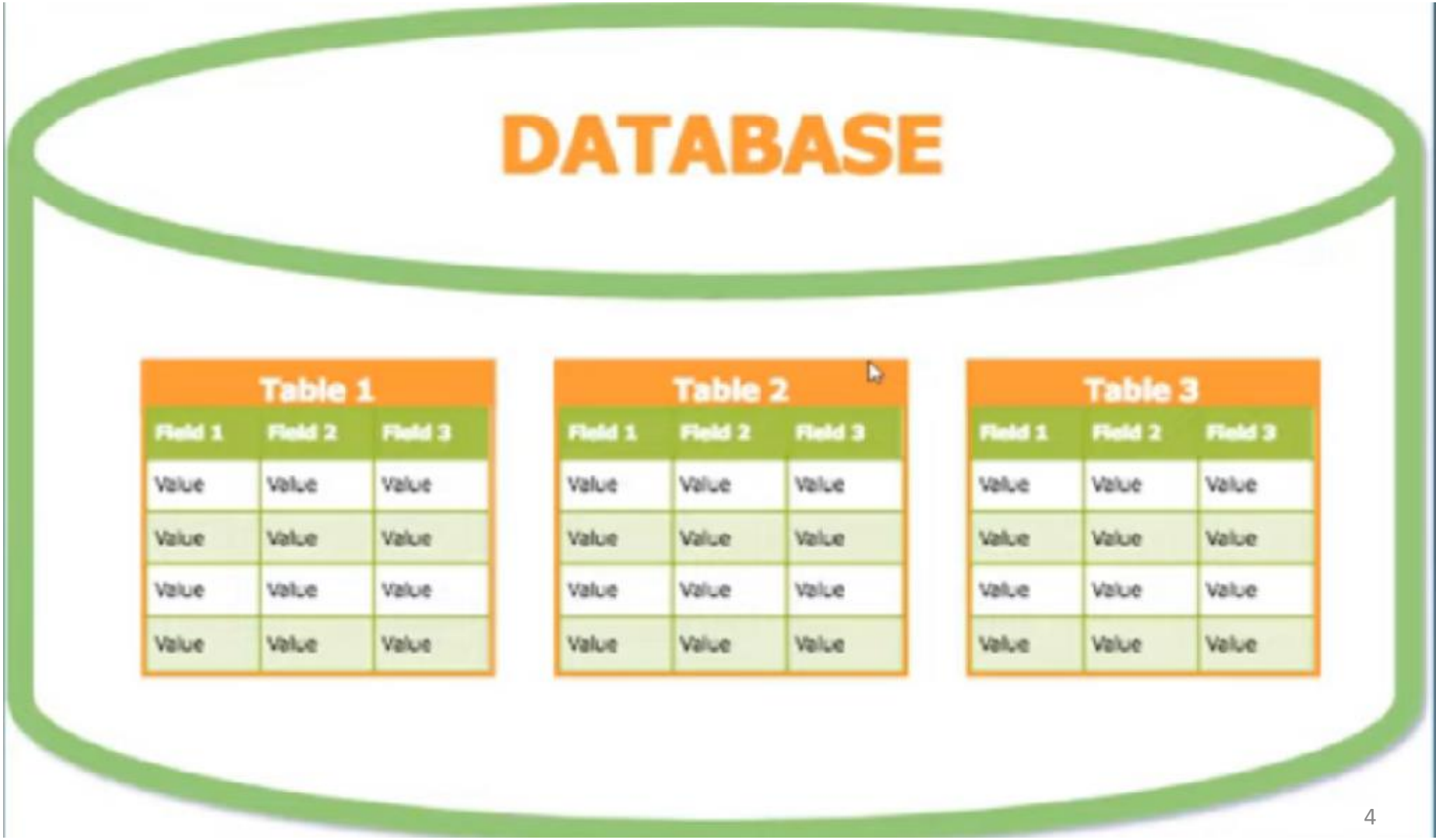
- Credit hours (2)
- Requirements & Grading (Total 100 marks)
  - Class work and attendance (20 marks)
  - Midterm exam (30 marks)
  - Final Exam during finals week (50 marks)

What is the Data Base?

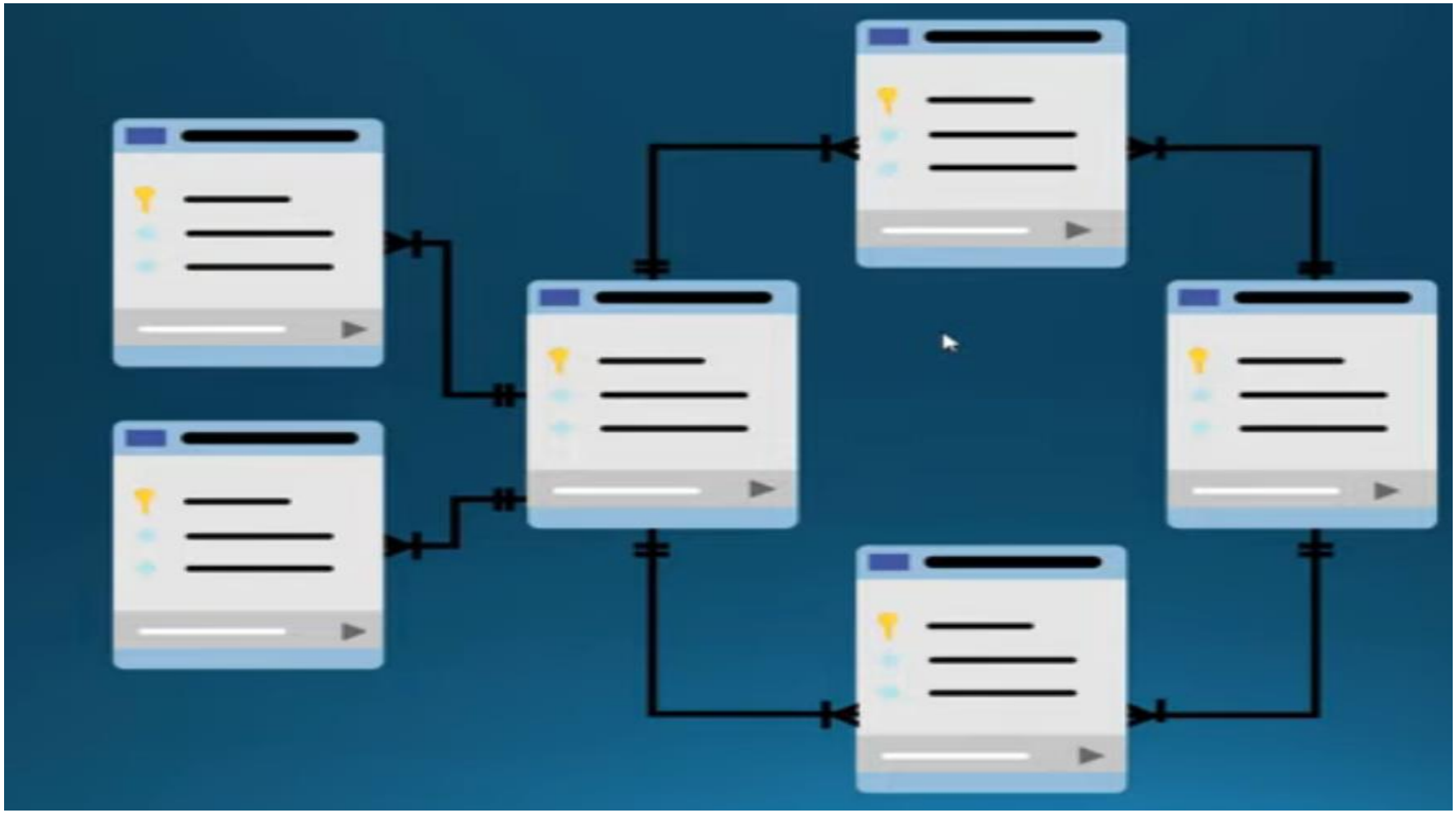
- Data base is simply the previous arranged data using applications such as excel sheet or any other application.



- Data base is consisted of groups of tables, where each table has rows and columns.



- The created tables can be connected with each other by the relationships.



Example

ID	First Name	Last Name	Address	City	Age
1	Mickey	Mouse	123 Fantasy Way	Anaheim	73
2	Bat	Man	321 Cavern Ave	Gotham	54
3	Wonder	Woman	987 Truth Way	Paradise	39
4	Donald	Duck	555 Quack Street	Mallard	65
5	Bugs	Bunny	567 Carrot Street	Rascal	58
6	Wiley	Coyote	999 Acme Way	Canyon	61
7	Cat	Woman	234 Purrfect Street	Hairball	32
8	Tweety	Bird	543	Itotltaw	28

ID = Primary Key isn't repeated in the table

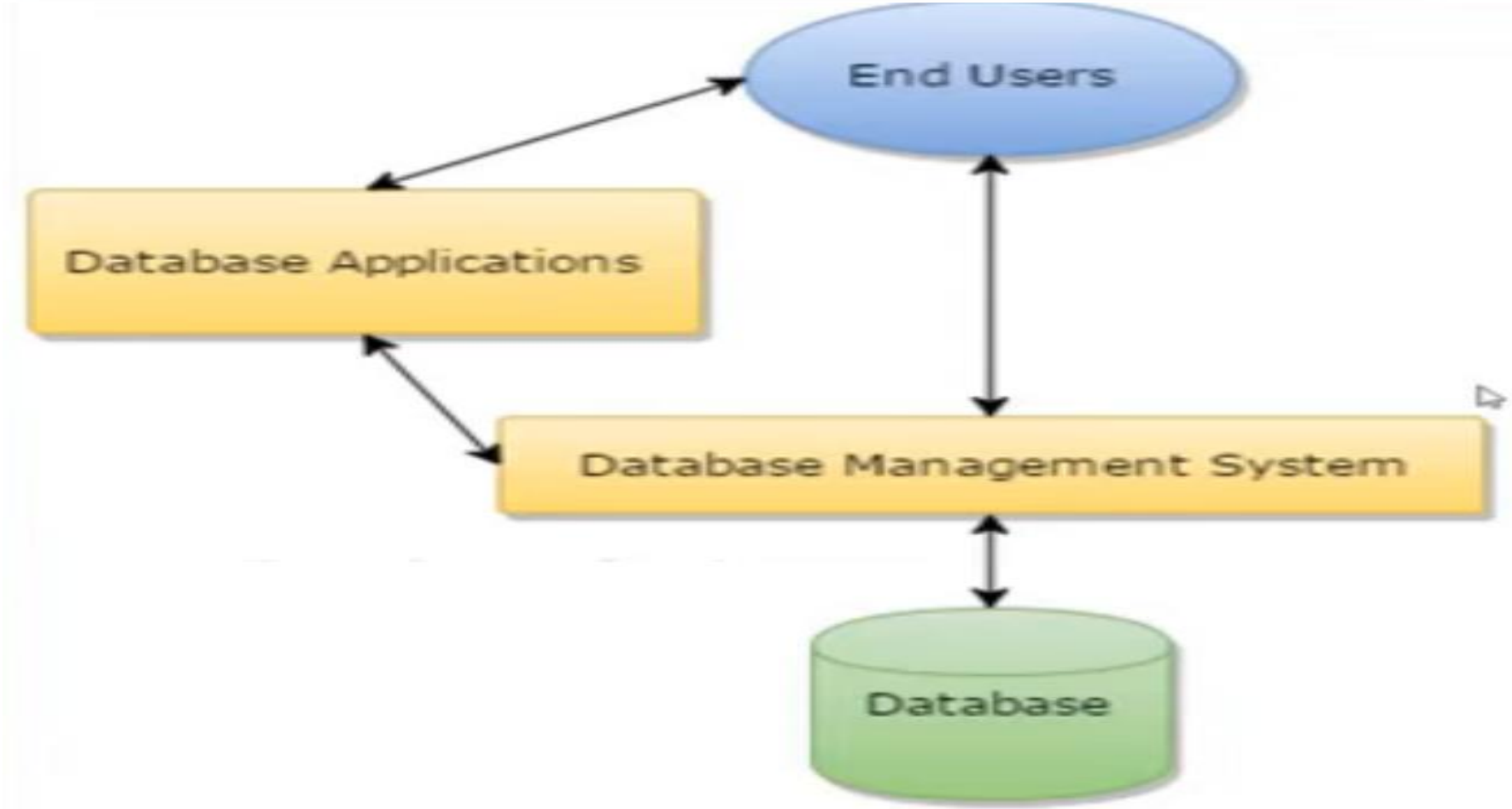
IDataSet: database

analytics_comments

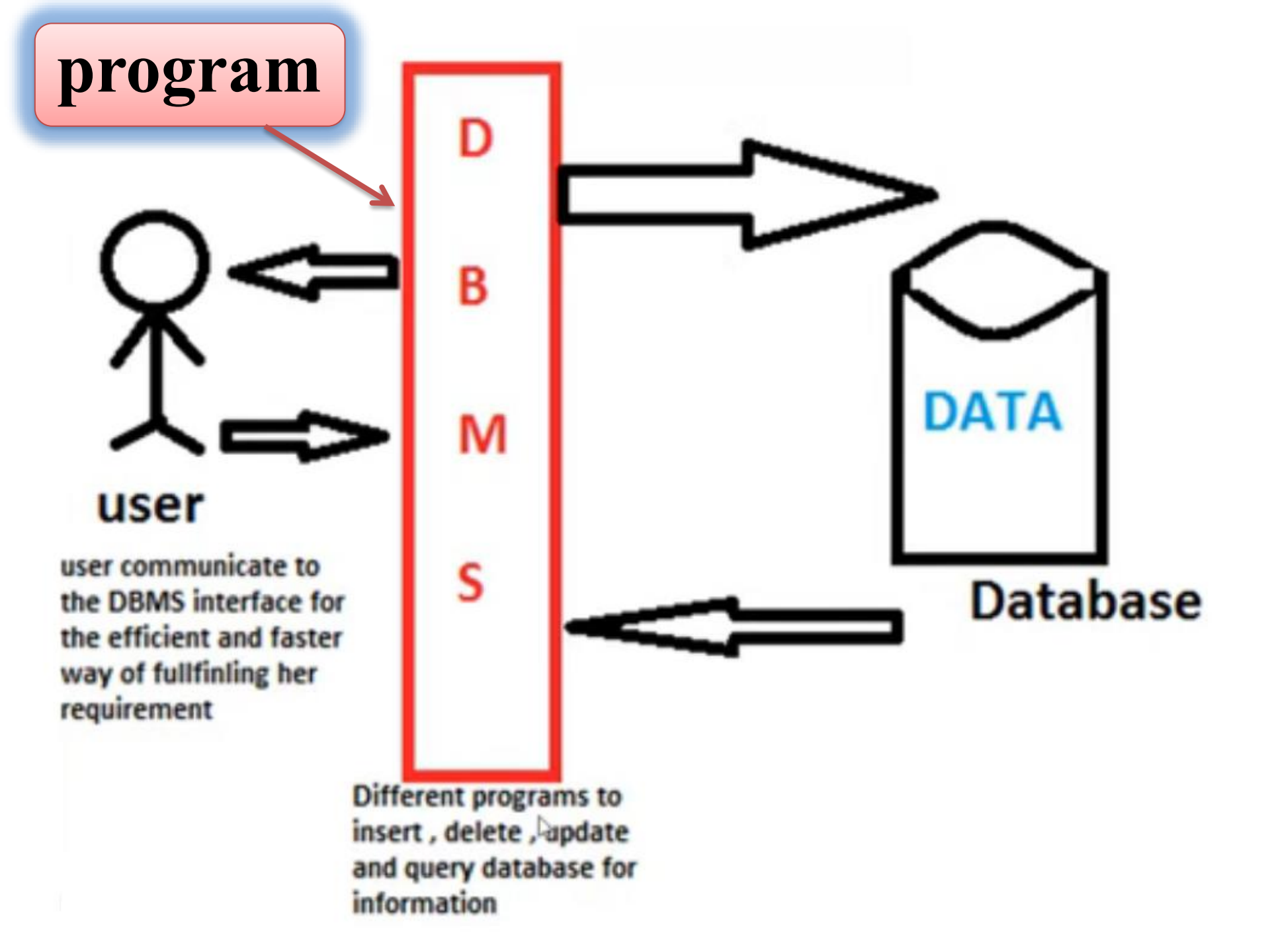
client_id	item_id	item_name

client_id	item_id	item_name
200	01	name - #1
200	02	name - #2
200	03	name - #3

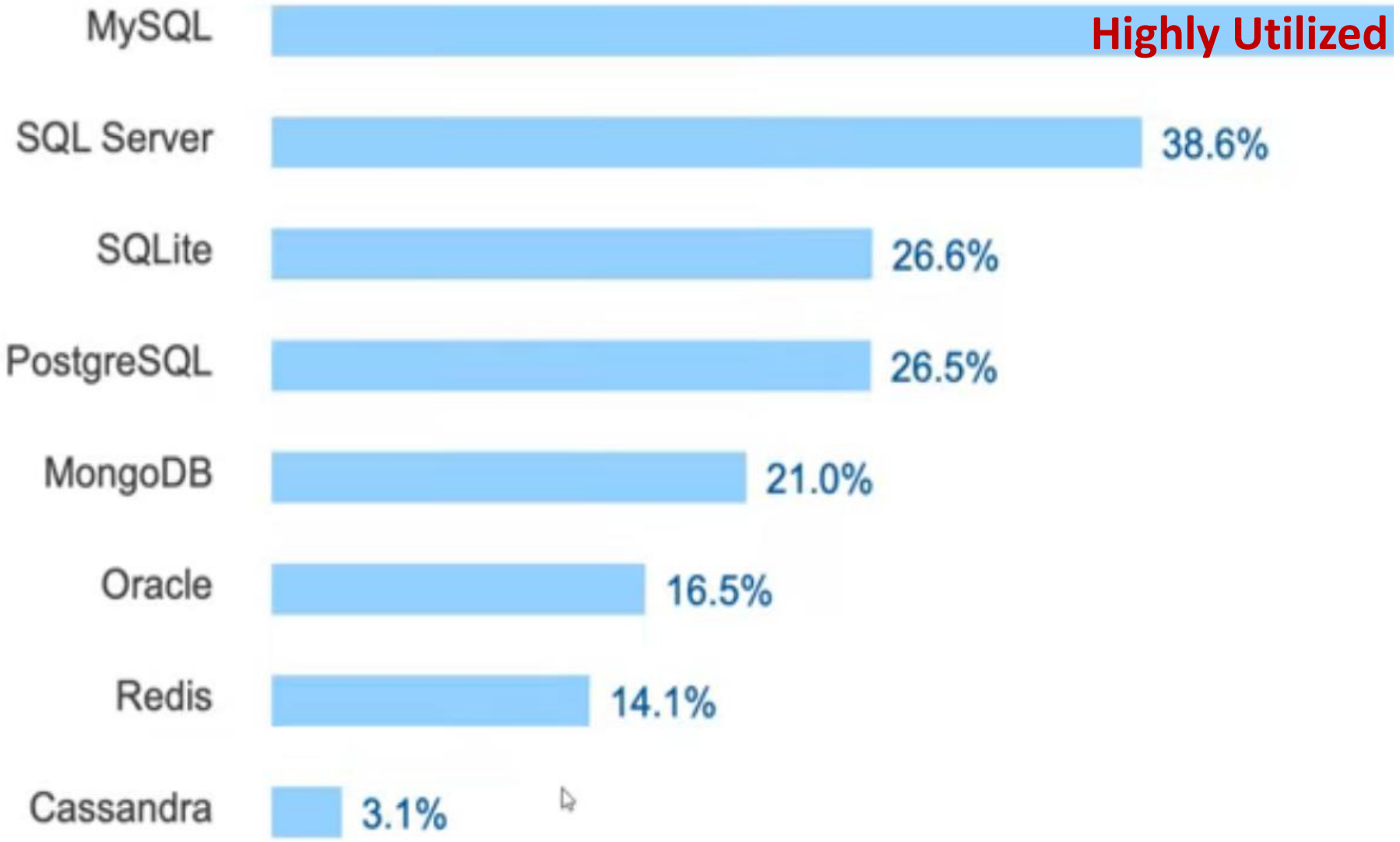
DBMS: Data Base Management System



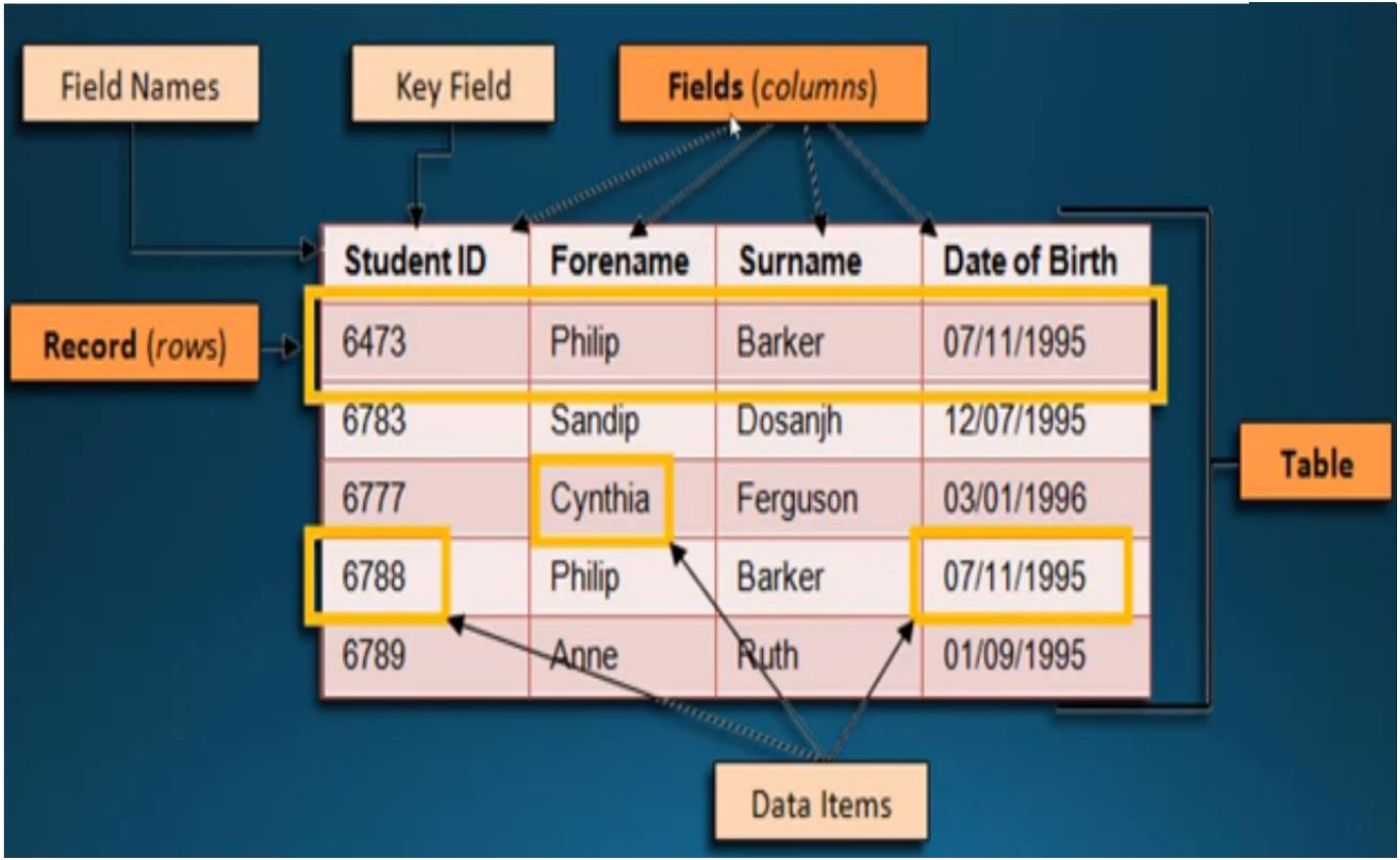
Components of a Data Base Management System


program
D
B
M
S
DATA
Database
user
user communicate to the DBMS interface for the efficient and faster way of fullfinling her requirement
Different programs to insert , delete , update and query database for information

DBMS Programs



Compounds of Table



Thank
you