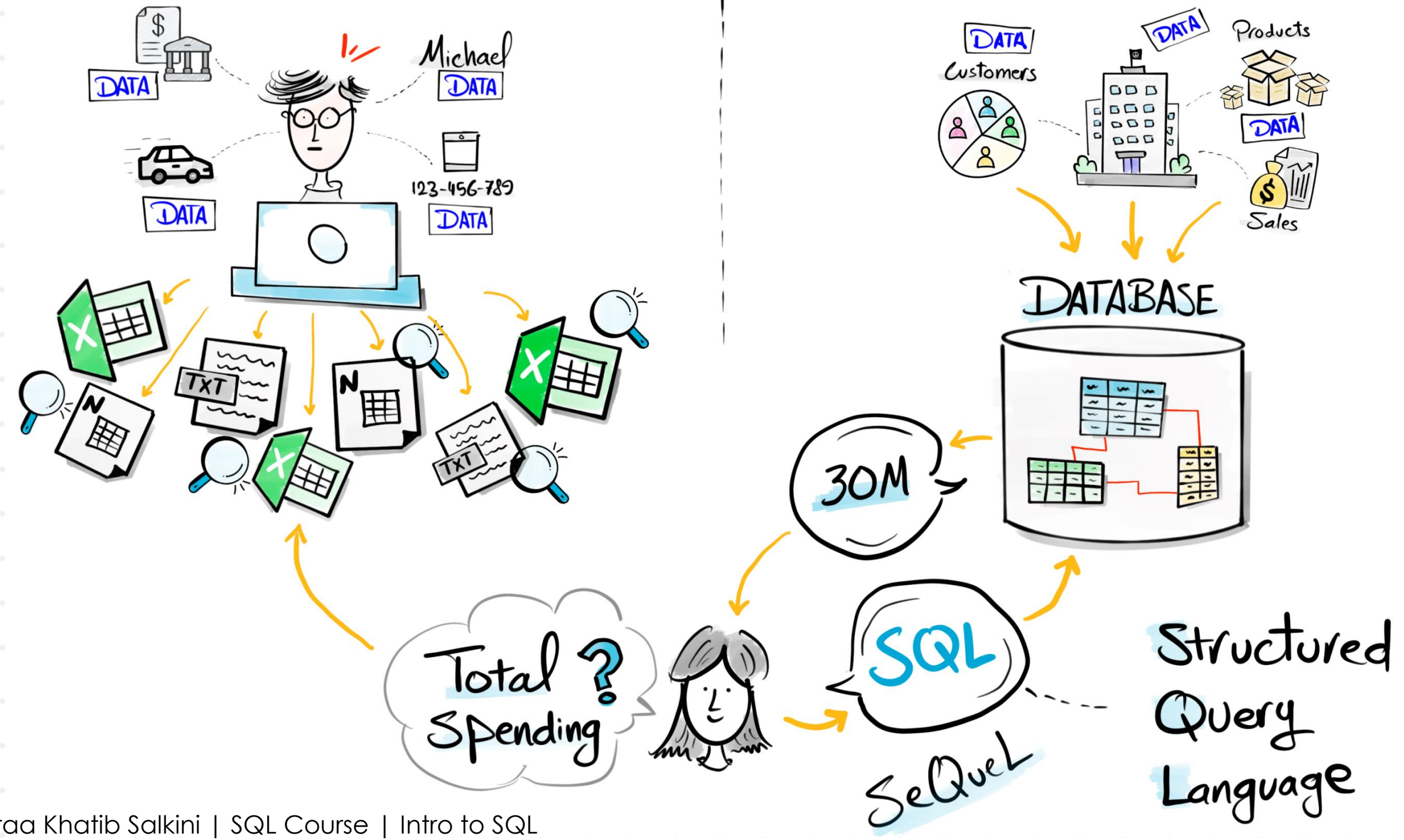
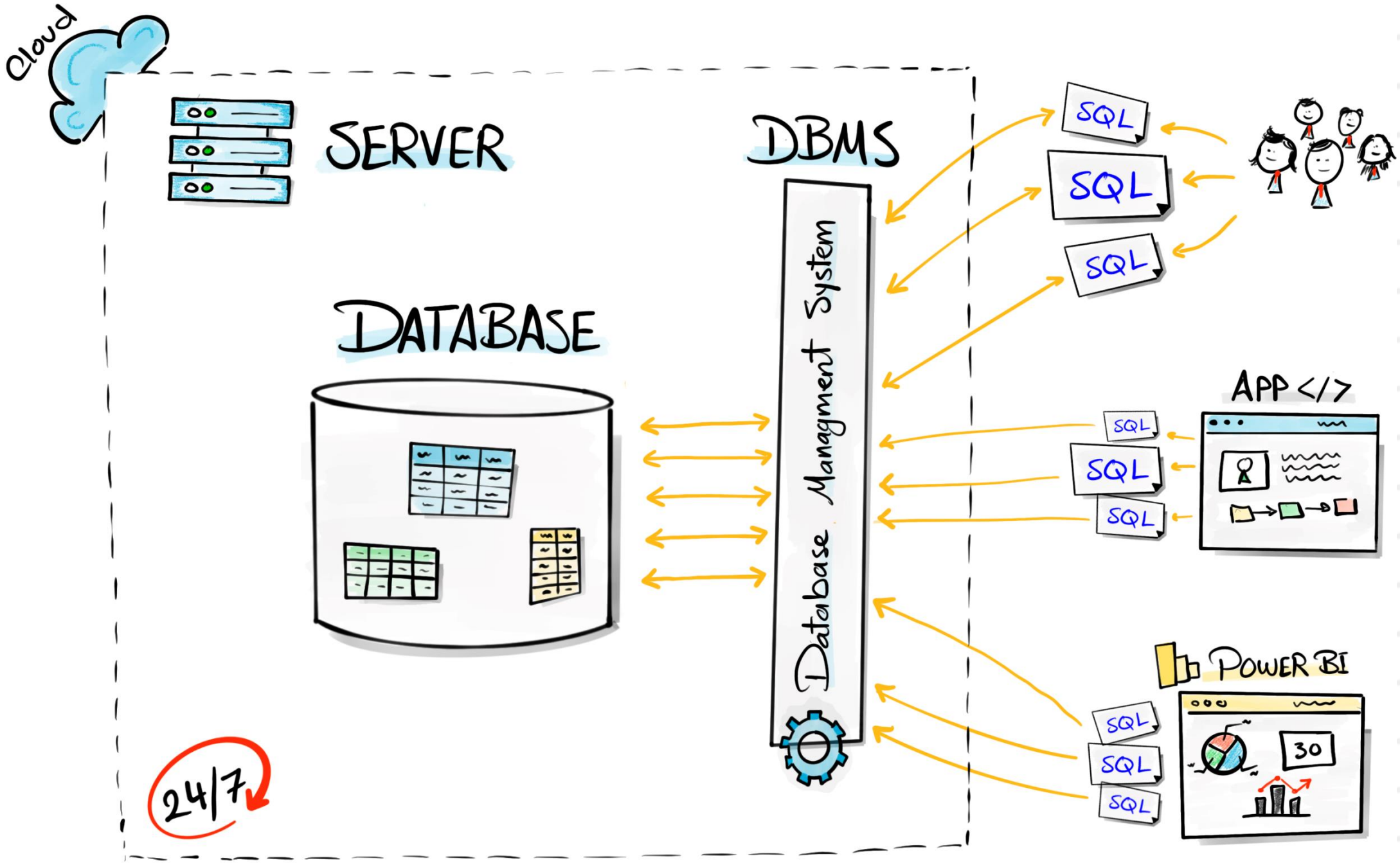
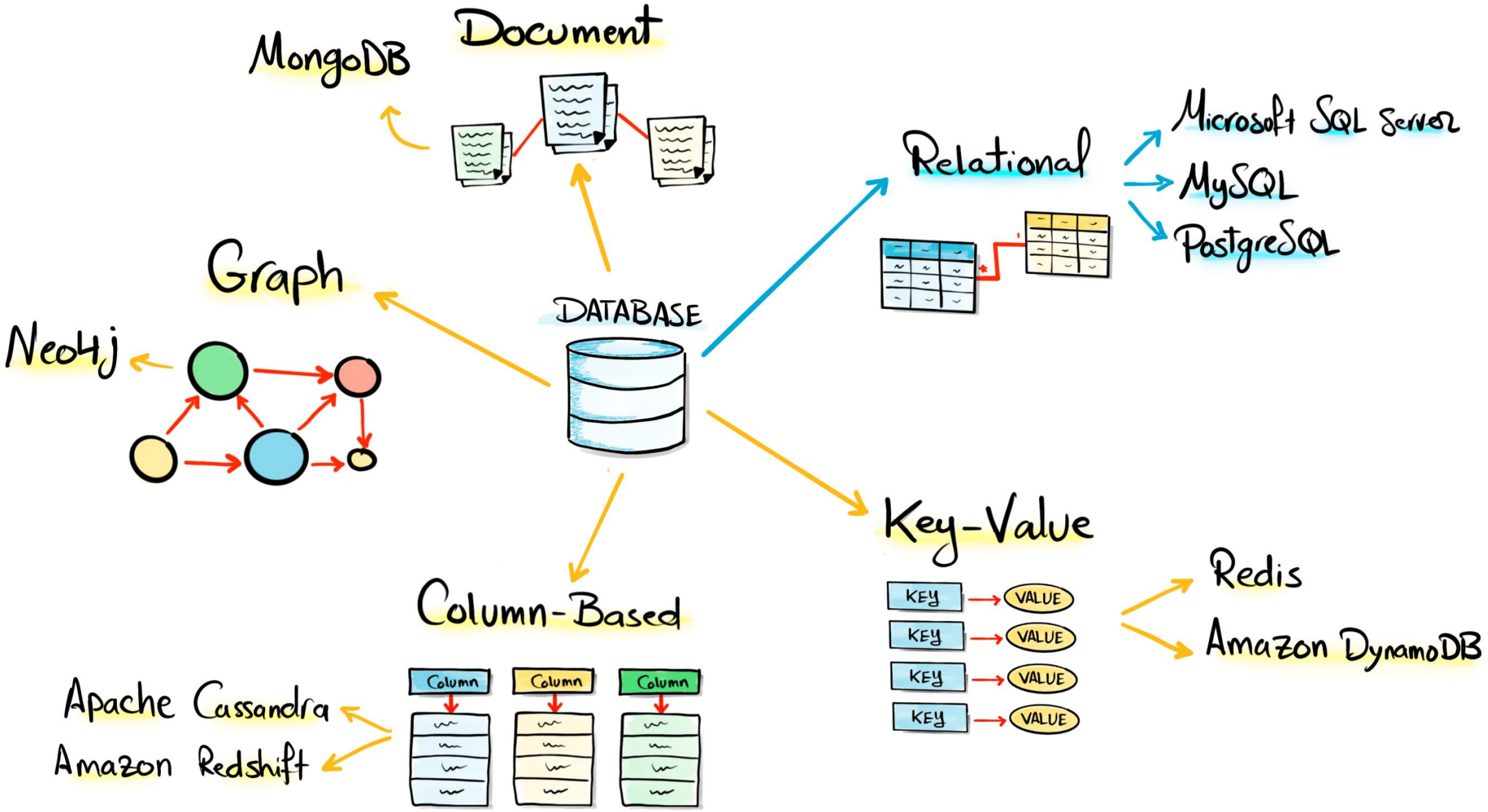
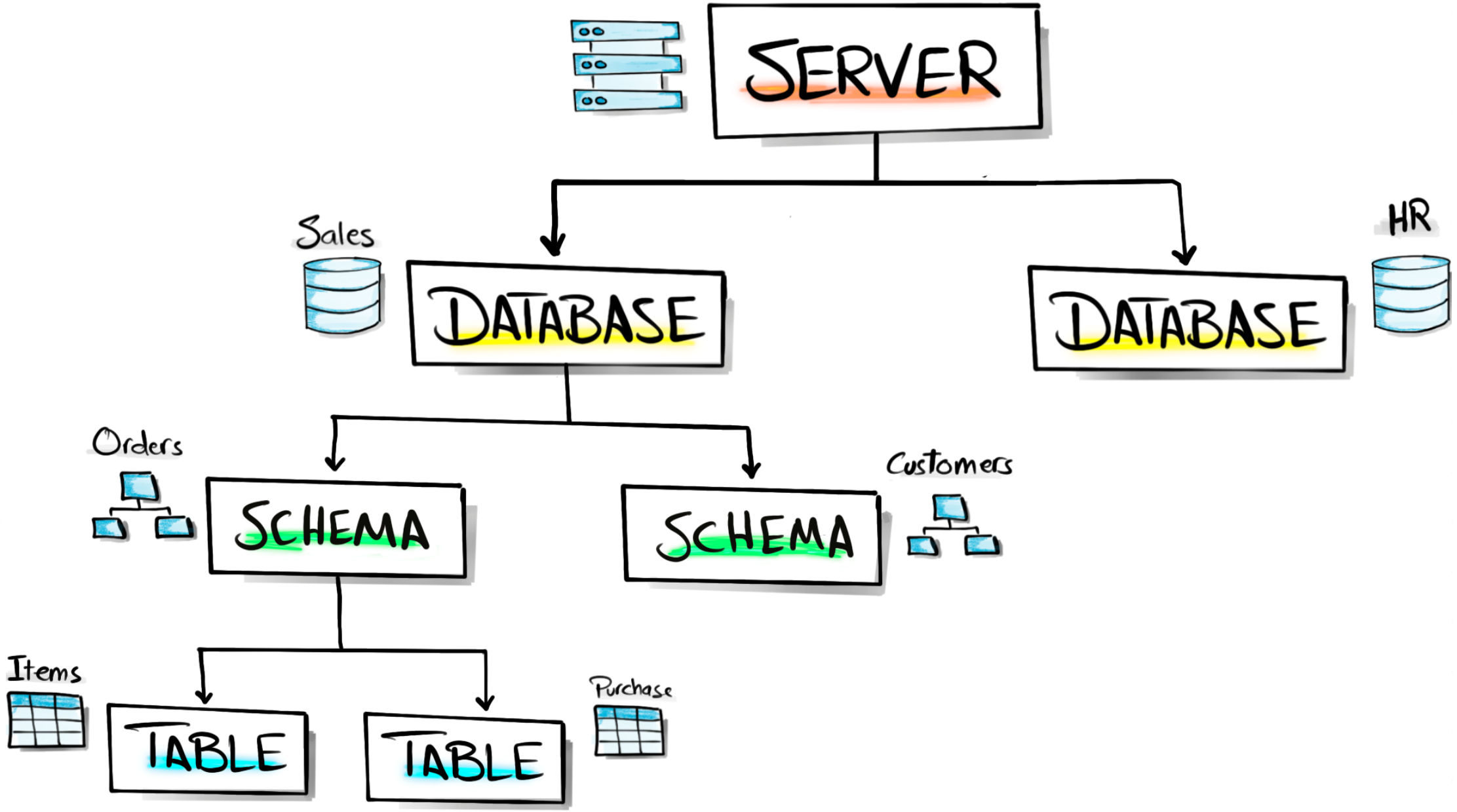
INTRO TO SQL

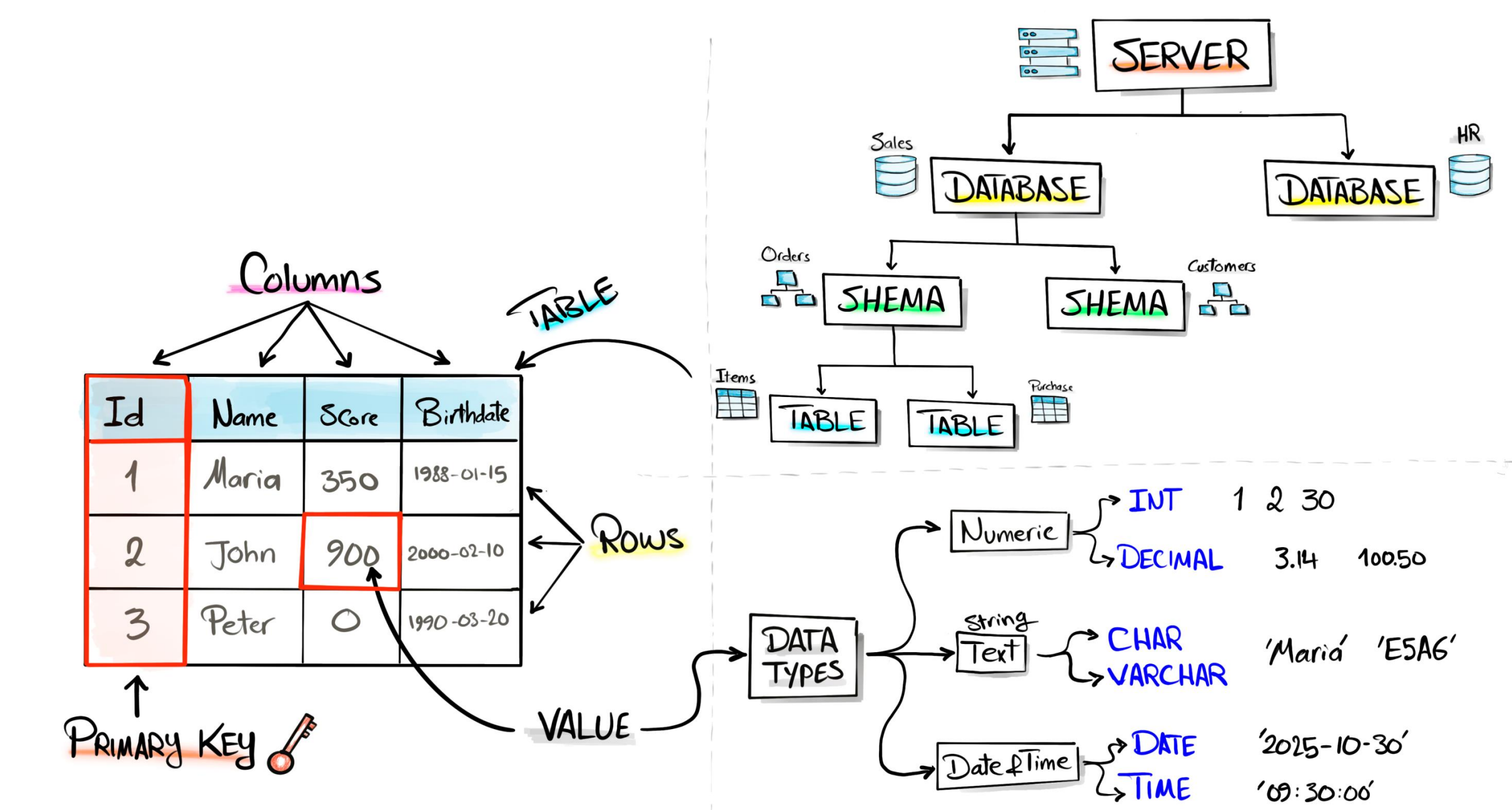
Baraa Khatib Salkini
SQL Course | Intro to SQL

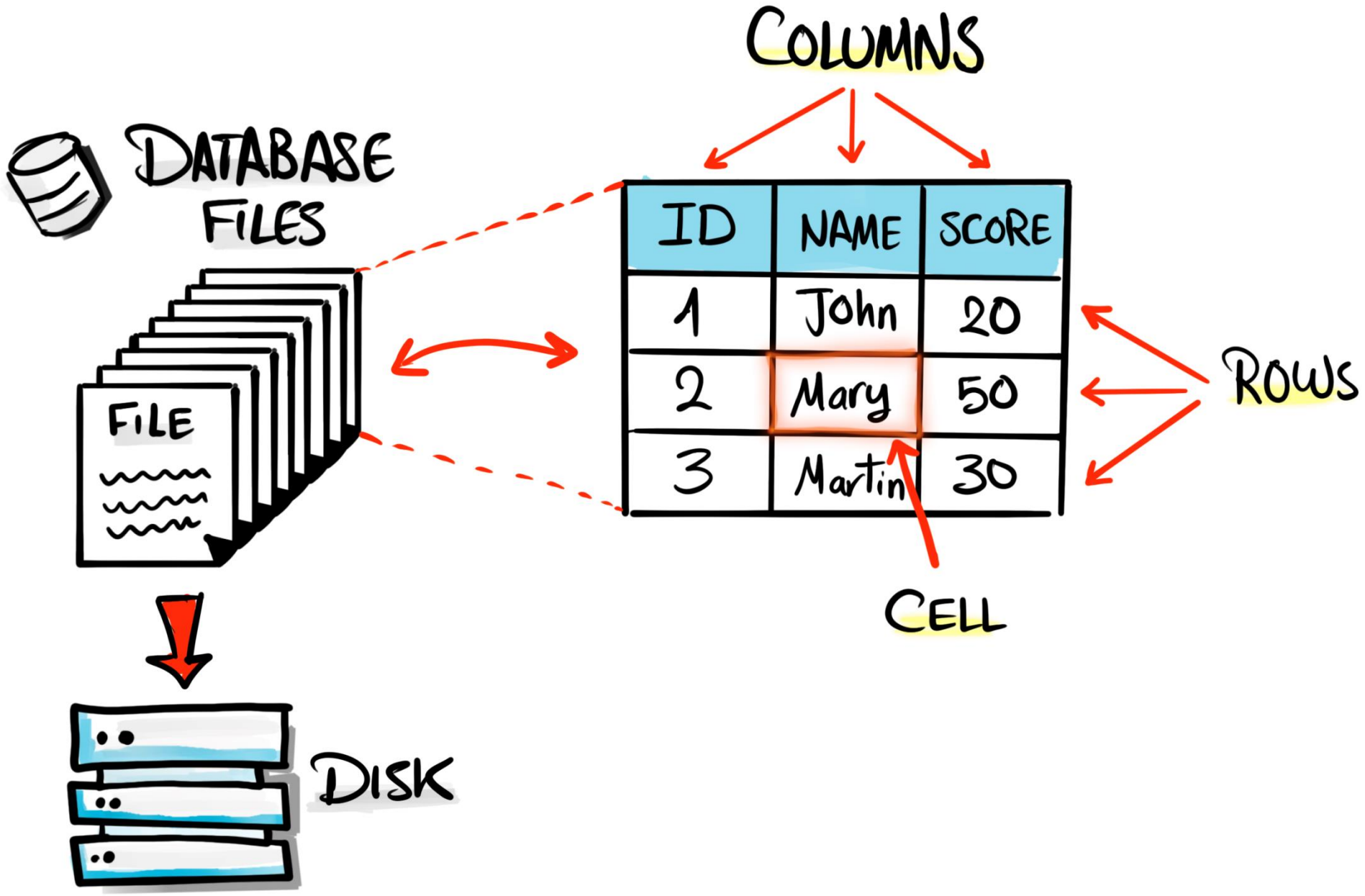

DATA
Michael
DATA
DATA
123-456-789
DATA
TXT
TXT
DATA
Customers
DATA
Products
DATA
Sales
DATABASE
30M
Total ? Spending
SQL
SeQueL
Structured Query Language

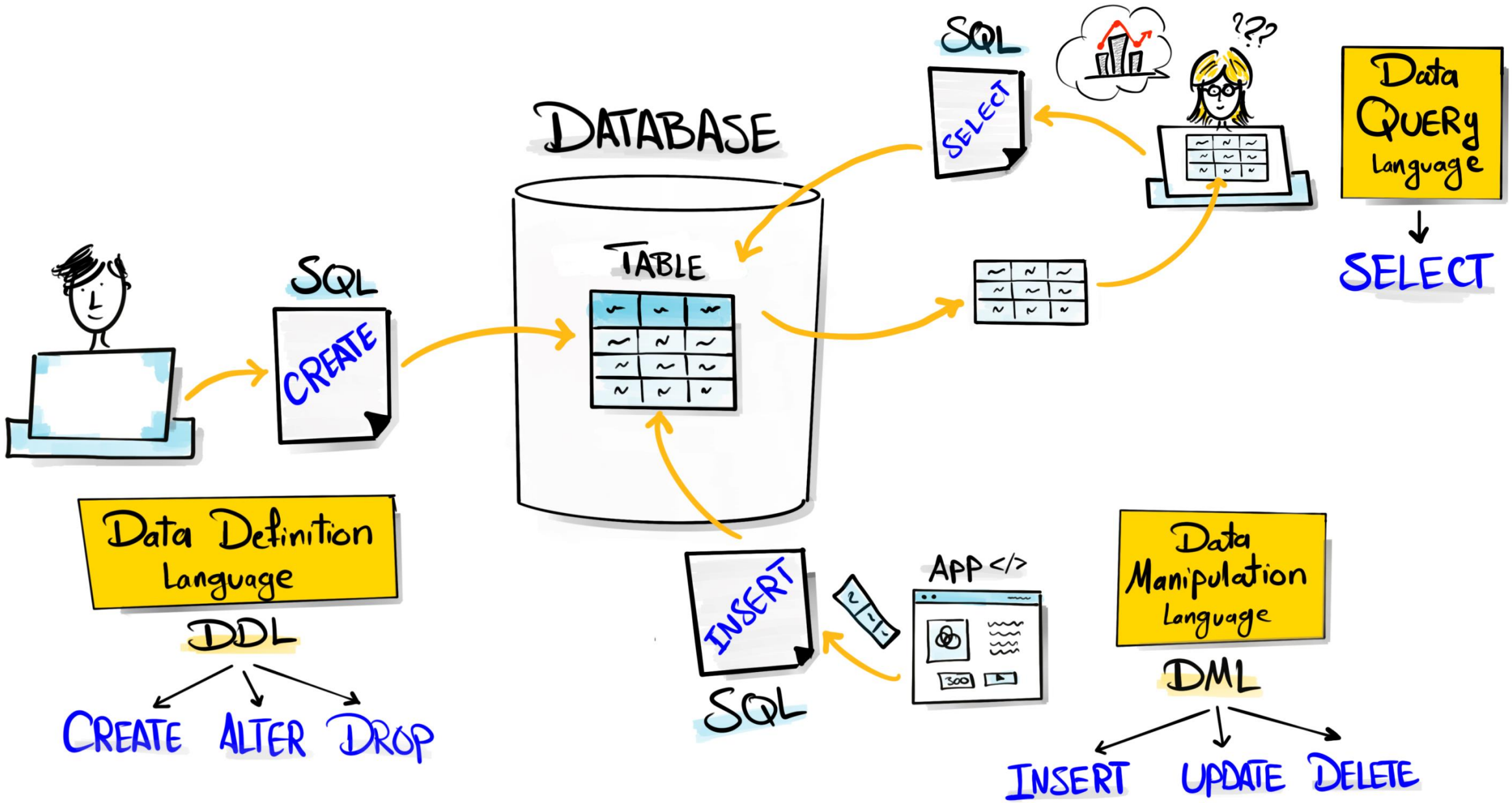

Cloud
SERVER
DBMS
DATABASE
Database Managment System
SQL
SQL
SQL
APP </>
SQL
SQL
SQL
POWER BI
SQL
SQL
SQL
30
24/7

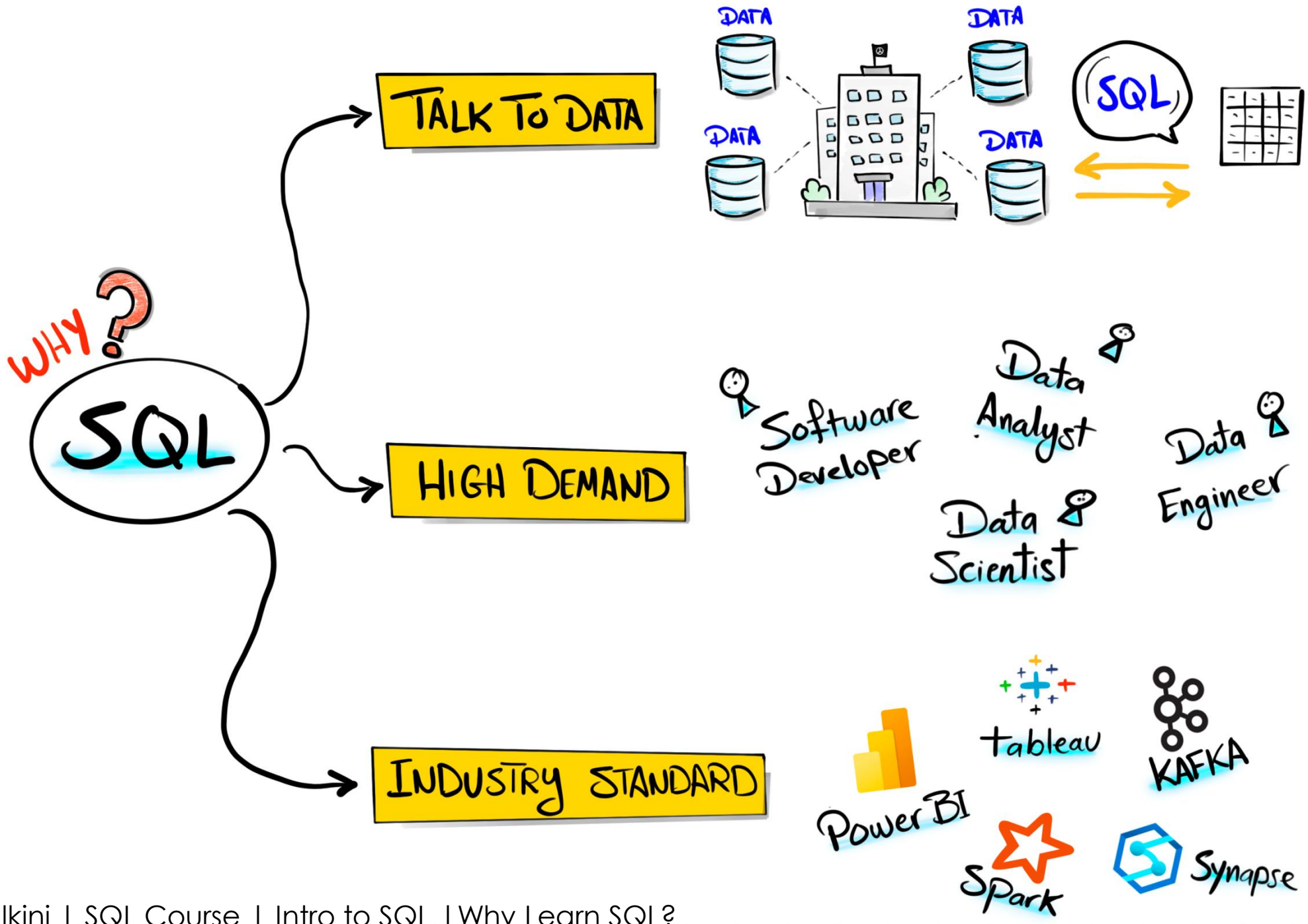

Document
MongoDB
Graph
Neo4j
DATABASE
Relational
Microsoft SQL Server
MySQL
PostgreSQL
Key-Value
KEY
VALUE
Redis
Amazon DynamoDB
Column-Based
Column
Apache Cassandra
Amazon Redshift

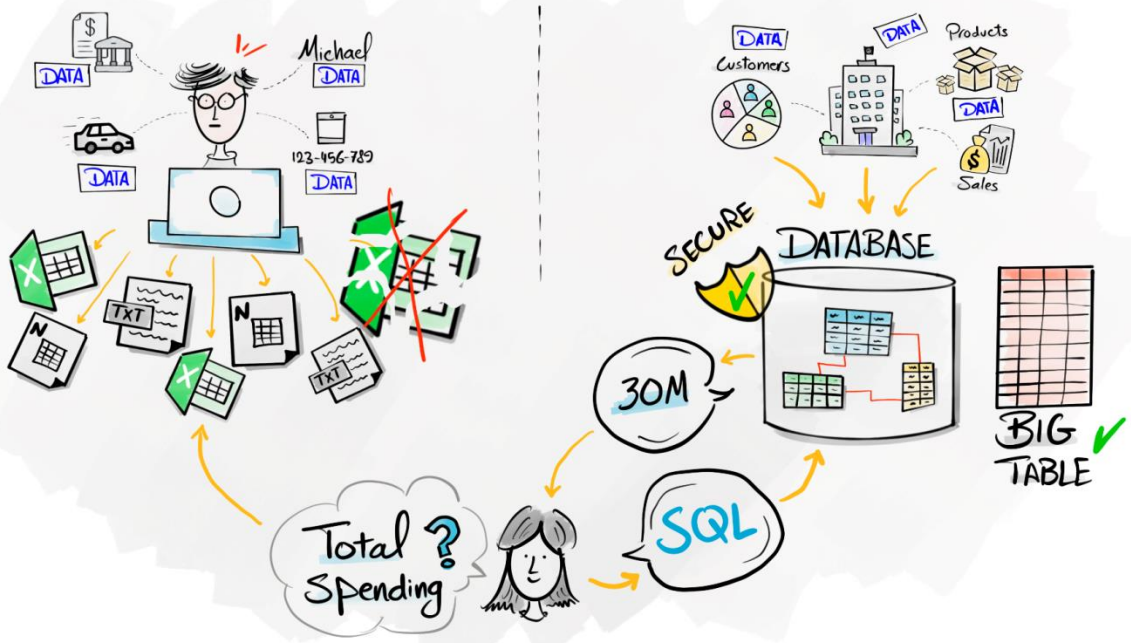

SERVER
Sales
DATABASE
DATABASE
HR
Orders
SCHEMA
SCHEMA
Customers
Items
TABLE
TABLE
Purchase

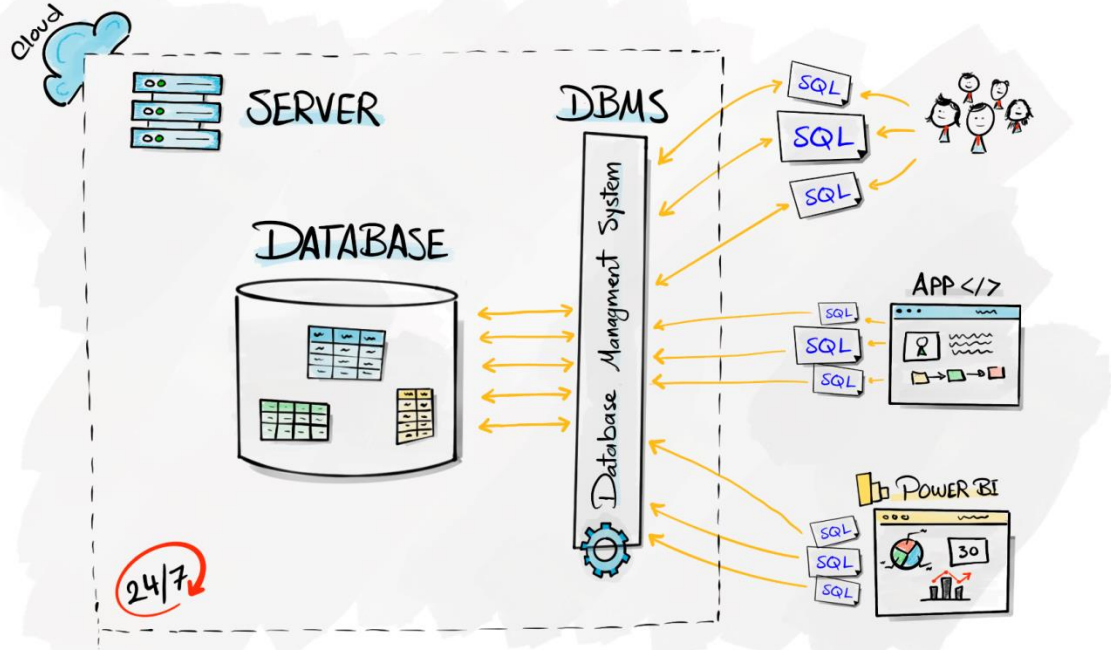

Columns
TABLE
Id
Name
Score
Birthdate
1
Maria
350
1988-01-15
2
John
900
2000-02-10
3
Peter
0
1990-03-20
ROWS
PRIMARY KEY
VALUE
SERVER
Sales
DATABASE
DATABASE
HR
Orders
SHEMA
SHEMA
Customers
Items
TABLE
TABLE
Purchase
DATA TYPES
Numeric
INT 1 2 30
DECIMAL 3.14 100.50
String
Text
CHAR
VARCHAR
'María' 'E5A6'
Date&Time
DATE '2025-10-30'
TIME '09:30:00'

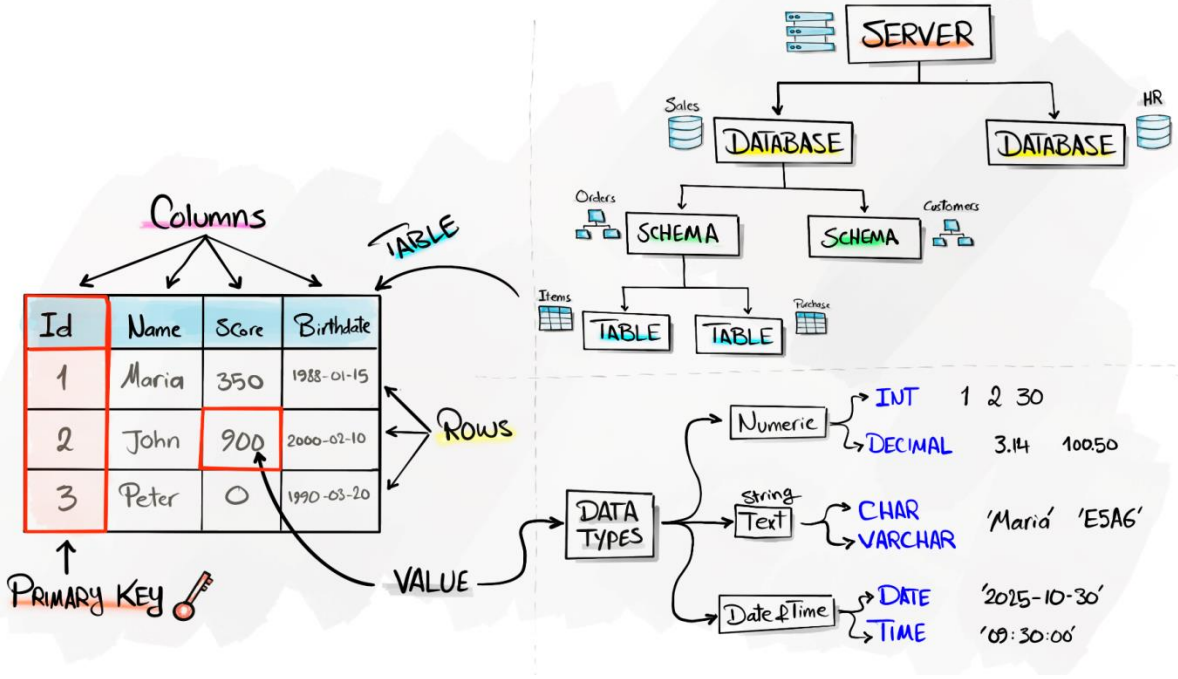

COLUMNS
DATABASE FILES
FILE
ID
NAME
SCORE
1
John
20
2
Mary
50
3
Martin
30
ROWS
CELL
DISK

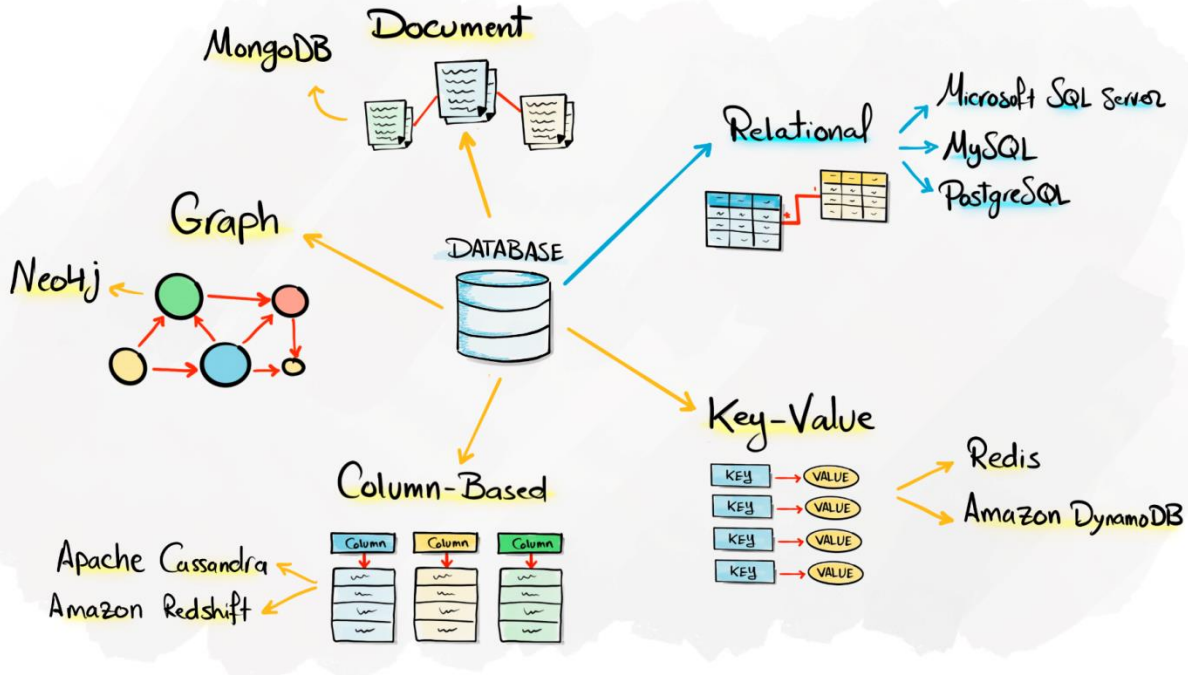

SQL
SELECT
DATABASE
TABLE
Data QUERY Language
SELECT
SQL
CREATE
Data Definition Language
DDL
CREATE ALTER DROP
INSERT
SQL
APP </>
Data Manipulation Language
DML
INSERT UPDATE DELETE


WHY?
SQL
TALK TO DATA
HIGH DEMAND
INDUSTRY STANDARD
DATA
DATA
DATA
DATA
SQL
Software Developer
Data Analyst
Data Scientist
Data Engineer
PowerBI
tableau
KAFKA
Spark
Synapse


Michael
DATA
123-456-789
Customers
Products
Sales
SECURE
DATABASE
30M
BIG TABLE
Total Spending ?
SQL


Cloud
SERVER
DBMS
DATABASE
Database Managment System
SQL
APP
POWER BI
24/7


SERVER
Sales
DATABASE
DATABASE
HR
Orders
SCHEMA
SCHEMA
Customers
Items
TABLE
TABLE
Purchase
Columns
TABLE
Id
Name
Score
Birthdate
1
Maria
350
1988-01-15
2
John
900
2000-02-10
3
Peter
0
1990-03-20
ROWS
PRIMARY KEY
VALUE
DATA TYPES
Numeric
INT
1 2 30
DECIMAL
3.14
100.50
string
Text
CHAR
VARCHAR
'Maria'
'ESAG'
Date&Time
DATE
'2025-10-30'
TIME
'09:30:00'


MongoDB
Document
Relational
Microsoft SQL Server
MySQL
PostgreSQL
Graph
Neo4j
DATABASE
Key-Value
Redis
Amazon DynamoDB
Column-Based
Apache Cassandra
Amazon Redshift
KEY
VALUE
Column