

Databases

```
create DATABASE CLASSDB; -- Create a database using CREATE DATABASE command
```

```
SHOW DATABASES; -- List all the DBs in your MYSQL Server
```

```
CREATE DATABASE IF NOT EXISTS CLASSDB; -- it will only create the database  
if it doesn't exists
```

```
DROP DATABASE CLASSDB; -- Deleting a database
```

```
USE CLASSDB; -- Select a DB to work
```

```
SHOW TABLES; -- List all the tables in the selected DB
```

```
CREATE DATABASE FBDB; -- Create a new database
```

```
USE FBDB; -- Select the new database
```

```
CREATE TABLE USERS (  
  
EMAIL VARCHAR(50) ,  
  
PASSWORD VARCHAR(50) ,  
  
USERNAME VARCHAR(50) ,
```

```
ID INT PRIMARY KEY AUTO_INCREMENT
```

```
); -- Create a table
```

```
SHOW TABLES; -- List all the tables in the selected DB
```

```
DESC USERS; -- Describe the table
```

```
INSERT INTO USERS (USERNAME, EMAIL, PASSWORD) VALUES
```

```
('SANKET', 'SANKET@GMAIL.COM', '123456'); -- Insert data into the table
```

```
INSERT INTO USERS (USERNAME, EMAIL, PASSWORD) VALUES
```

```
('SARTHAK', 'SJ@GMAIL.COM', '123456'); -- Insert data into the table
```

```
SELECT ID, EMAIL, USERNAME FROM USERS; -- Select data from the table
```

```
SELECT * FROM USERS; -- Select all the data from the table
```

```
INSERT INTO USERS (USERNAME, EMAIL, PASSWORD) VALUES
```

```
('JD', 'JD@GMAIL.COM', '123456'),
```

```
('RIYA', 'RY@GMAIL.COM', '123456'),
```

```
('ROHIT', 'RR@GMAIL.COM', '123456') ; -- Insert multiple data into the table
```

```
-- CREATE A POSTS TABLE WITH ID, CONTENT, USER_ID, CREATED_AT COLUMNS
```

```
CREATE TABLE POSTS (  
  
ID INT PRIMARY KEY AUTO_INCREMENT,  
  
CONTENT VARCHAR(255),  
  
USER_ID INT, -- TO WHOM THE POST BELONGS  
  
CREATED_AT TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
  
);
```

```
INSERT INTO POSTS (CONTENT, USER_ID) VALUES  
  
('HELLO WORLD', 1); -- Insert data into the table
```

```
INSERT INTO POSTS (CONTENT, USER_ID) VALUES  
  
('HELLO WORLD', 1); -- Insert data into the table
```

```
INSERT INTO POSTS (CONTENT, CREATED_AT, USER_ID) VALUES  
  
('HELLO WORLD AGAIN', '2021-01-01 12:00:00', 1); -- Insert data into the  
table
```

```
SELECT * FROM POSTS; -- Select all the data from the table
```

```
SELECT * FROM USERS WHERE ID = 3; -- Select all the data from the table
```

```
SELECT * FROM POSTS WHERE USER_ID = 1 AND CONTENT = 'HELLO WORLD'; -- Select
```

all the data from the table

-- OPERATOR IN MYSQL: =, !=, <, >, <=, >=, AND, OR, NOT, IN, BETWEEN, LIKE, IS NULL, IS NOT NULL

SELECT * FROM POSTS WHERE CONTENT LIKE '%AGAIN'; -- Select all the data from the table

-- %AGAIN% SUBSTRING MATCH

-- %AGAIN STARTS WITH ANYTHING BUT ENDS WITH AGAIN

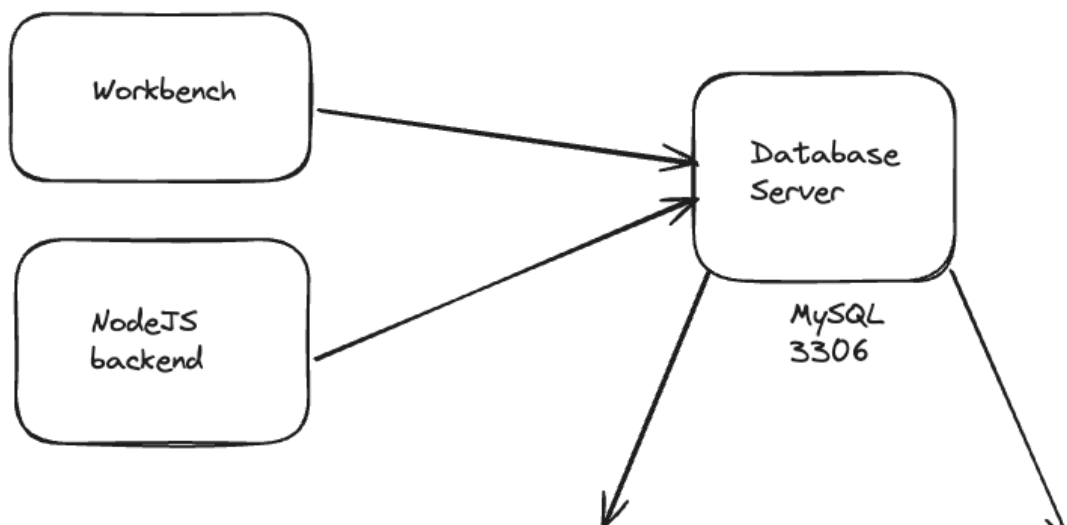
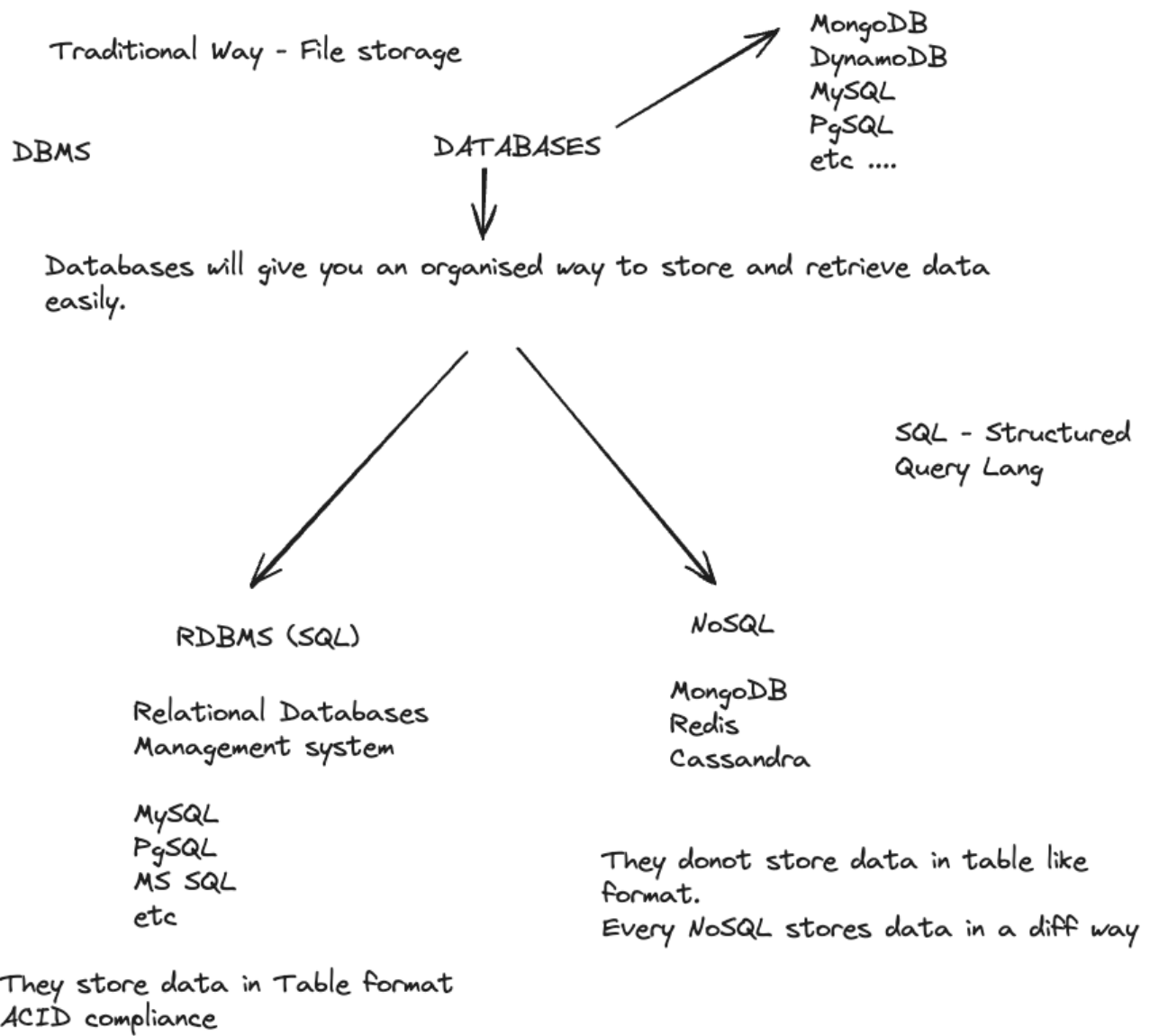
-- AGAIN% STARTS WITH AGAIN BUT CAN HAVE ANYTHING AFTER THAT

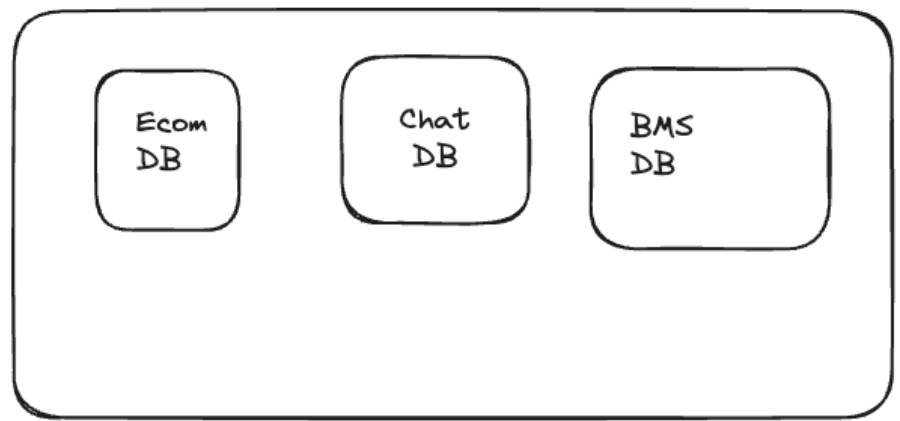
SELECT * FROM POSTS WHERE CONTENT LIKE '%WORLD' ORDER BY CREATED_AT ASC;

DELETE FROM POSTS WHERE ID = 1; -- Delete a row from the table

DROP TABLE POSTS; -- Delete a table

UPDATE POSTS SET CONTENT = 'MY WORLD' WHERE ID = 2; -- Update a row in the table





ROWS

EMAIL	NAME	PASSWORD		
A@B.COM	AB	123		

COLUMNS

NUMERIC - INT, BIGINT, TINYINT, DECIMAL ETC

STRING - VARCHAR

JSON - JSON

DATE TIME : DATE, TIME, TIMESTAMP