SQL NULL VALUES

-> NULl represents missing to unknown deta

I meet record with NULL Value

INSERT INTO employees VALUES (2,'Alex',NULL,'alex@mail.com','2025-01-04',50000.00);

Remaining Records using NULL

SELECT * FROM employees WHERE lastname is null;

SQL Update statement

* purpose is to modify the enisting records in a table

UPDATE employees SET email = 'jhon.doe@mail.com' WHERE employeeid = 1;

SQL DELETE Statement

- remove records from the table

-- Deleting single record

DELETE FROM employees WHERE firstName = 'Bob';

-- DELETE Multiple Records

DELETE FROM employees WHERE lastname is NULL;

-- COMPLETE DELETE of records

DELETE FROM employees;

MysQL Alter Table:

+ wed to modify to structure of an envity table in MYSQL

- * and columns
- * alter/modify columns
- x drop Columns
- * rename columns

1 Adding Columns :

Single Column:

ALTER TABLE employees
ADD COLUMN phone_number VARCHAR(25);

mothe Columns &

ALTER TABLE employees
ADD COLUMN phone_number VARCHAR(25),
ADD COLUMN date_of_birth VARCHAR(25);

2 Modiffing or Attoing Columns

ALTER TABLE employees
MODIFY COLUMN phone_number VARCHAR(20);

ALTER TABLE employees MODIFY COLUMN salary INT;

(3) Renanding Columns

ALTER TABLE employees
CHANGE COLUMN lastname middlename VARCHAR(50);

(A) Dropping Columns

ALTER TABLE employees
DROP COLUMN date_of_birth,
DROP COLUMN phone_number;

SQL Contraints

(1) Principy keg

(2) Foreign key

(3) NotNull Constraint

(4) Chock Constraint

(5) Unique Constraint

(6) Alter Table

Add constraint

1) Romany key: primary key iniquely identified each record in a table. It cannot have now values

- * enrures uniqueness of records
- * Automatically absolut NUL Values

CREATE TABLE authors(author_id INT PRIMARY KEY, first_name VARCHAR(25), last_name VARCHAR(25), email VARCHAR(25));

I Orthernol to insert duplicate authorid Value, results in error

Using actor to add primary key to enisting table
ALTER TABLE employees

ALTER TABLE employees
MODIFY employeeID INT PRIMARY KEY;

Propping primary key constraint ALTER TABLE employees DROP PRIMARY KEY;

(2) Foreign key:

It establishes a relatively blu two faller by using the primary key of another table



