**Day 8- Assignment 2**

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**Problem**: Write a Sql queries to Perform DDL operation for product entity.

* perform create table, drop table, alter table, rename table queries for the product entity

**Solution**:

* Create Table

CREATE TABLE Product (

ProductID INT PRIMARY KEY,

ProductName VARCHAR(100) NOT NULL,

Price DECIMAL(10, 2) NOT NULL,

Quantity INT NOT NULL,

CategoryID INT,

CreatedAt TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

* **Drop Table**

DROP TABLE IF EXISTS Product;

* **Alter Table**

1. Add a new column:

ALTER TABLE Product

ADD Description TEXT;

2. Modify an existing column (e.g., change the data type of Price):

ALTER TABLE Product

MODIFY Price DECIMAL(12, 2);

3. Drop a column:

ALTER TABLE Product

DROP COLUMN Description;

4. Rename a column:

ALTER TABLE Product

RENAME COLUMN ProductName TO Name;

5. Rename Table

RENAME TABLE Product TO Products;