**Day 8 - Assignment 1**

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**Problem**: 1. create a product table with necessary attribute.

* write a query for table creation,
* insert the product data into the table.
* write a query to reterive all the product details
* write a query to reterive id and product name
* write a query to update and delete a product Assignment

**Solution**:

* **Create the Product Table**

CREATE TABLE product (

id INT PRIMARY KEY,

name VARCHAR(100),

description TEXT,

price DECIMAL(10, 2),

quantity INT,

category VARCHAR(50)

);

* **Insert Product Data**

INSERT INTO product (id, name, description, price, quantity, category) VALUES

(1, 'Laptop', '15 inch, 8GB RAM, 256GB SSD', 999.99, 50, 'Electronics'),

(2, 'Smartphone', '5.5 inch, 4GB RAM, 64GB Storage', 499.99, 100, 'Electronics'),

(3, 'Headphones', 'Over-ear, Noise-cancelling', 199.99, 150, 'Accessories'),

(4, 'Coffee Maker', 'Automatic, 12-cup capacity', 79.99, 30, 'Home Appliances'),

(5, 'Running Shoes', 'Size 10, Breathable material', 59.99, 75, 'Footwear');

* **Retrieve All Product Details**

SELECT \* FROM product;

* **Retrieve ID and Product Name**

SELECT id, name FROM product;

* **Update a Product**

To update a product, for example, changing the price of the 'Laptop':

UPDATE product

SET price = 899.99

WHERE id = 1;

* **Delete a Product**

To delete a product, for example, removing the 'Running Shoes':

DELETE FROM product

WHERE id = 5;