DAY 1 – ASSIGNMENT (SQL)

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ASSIGNMENT QUESTION:

SQL Assignment: `products` Table

Task 1: Create a Table

Create a table named `products` with the following columns:

- `product_id` (INT, Primary Key)
- `product_name` (VARCHAR)
- `category` (VARCHAR)
- `price` (DECIMAL)
- `stock_quantity` (INT)
- `added_date` (DATE)

Task 2: Insert Records

Insert **at least 5 different products**, each with a unique category and price range. Use realistic product names (e.g., headphones, mouse, laptop, etc.).

Task 3: Write Queries

1. List all products.
2. Display only `product_name` and `price`.
3. Find products with `stock_quantity` less than 10.
4. Find products with `price` between 500 and 2000.
5. Show products added after `2023-01-01`.
6. List all products whose names start with 'S'.
7. Show all products that belong to either `Electronics` or `Furniture`.

Task 4: Update & Delete

1. Update the price of one product.
2. Increase stock of all products in a specific category by 5.
3. Delete one product based on its `product_id`.
4. Delete all products with `stock_quantity` = 0.

```
use hexaware;
```

```
-- TASK 1
create table products (
product_id int primary key,
product_name varchar(100),
category varchar(50),
price decimal(10,2),
stock_quantity int,
added_date date);
```

```
-- Task 2
insert into products values
(1, 'smartphone', 'electronics', 15000.00, 8, '2023-03-10'),
(2, 'sofa', 'furniture', 22000.00, 3, '2024-05-15'),
(3, 'shirt', 'clothing', 1200.00, 15, '2023-11-20'),
(4, 'skincare set', 'beauty', 950.00, 5, '2024-01-25'),
(5, 'sports watch', 'fitness', 1800.00, 0, '2022-12-30');
```

```
-- Task 3
select * from products;
select product_name, price from products;
select * from products where stock_quantity < 10;
select * from products where price between 500 and 2000;
select * from products where added_date > '2023-01-01';
select * from products where product_name like 's%';
select * from products where category in ('electronics', 'furniture');
```

-- Task 4

```sql
update products set price = 16000.00 where product_id = 1;

update products set stock_quantity = stock_quantity + 5 where category = 'furniture';

delete from products where product_id = 5;

delete from products where stock_quantity = 0;
```