schema.sql

Query for creating schema

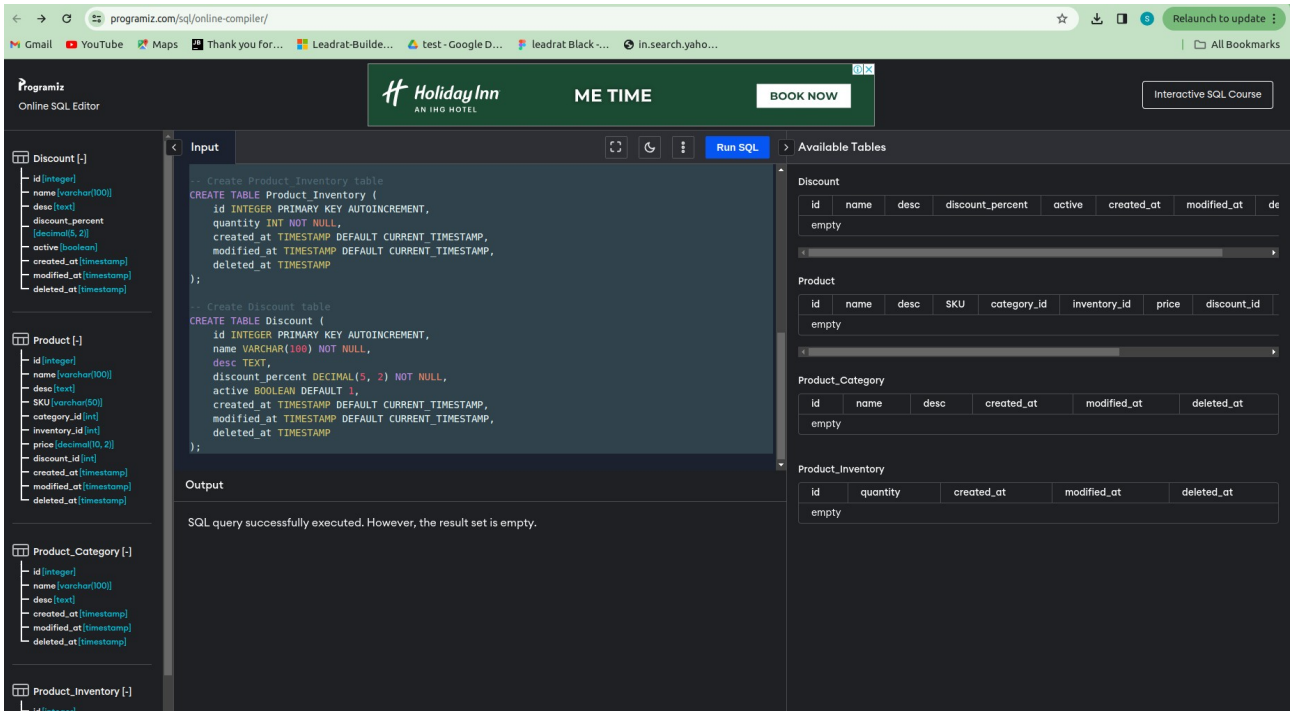
```
-- Create Product_Category table
CREATE TABLE Product_Category (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    name VARCHAR(100) NOT NULL,
    desc TEXT,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    modified_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    deleted_at TIMESTAMP
);

-- Create Product table
CREATE TABLE Product (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    name VARCHAR(100) NOT NULL,
    desc TEXT,
    SKU VARCHAR(50) NOT NULL,
    category_id INT,
    inventory_id INT,
    price DECIMAL(10, 2) NOT NULL,
    discount_id INT,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    modified_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    deleted_at TIMESTAMP,
    FOREIGN KEY (category_id) REFERENCES Product_Category(id),
    FOREIGN KEY (inventory_id) REFERENCES Product_Inventory(id),
    FOREIGN KEY (discount_id) REFERENCES Discount(id)
);

-- Create Product_Inventory table
CREATE TABLE Product_Inventory (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    quantity INT NOT NULL,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    modified_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    deleted_at TIMESTAMP
);

-- Create Discount table
CREATE TABLE Discount (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    name VARCHAR(100) NOT NULL,
    desc TEXT,
    discount_percent DECIMAL(5, 2) NOT NULL,
    active BOOLEAN DEFAULT 1,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    modified_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    deleted_at TIMESTAMP
);
```

Output:



Query for insert data

INSERT INTO Product_Category (name, desc) VALUES ('Electronics', 'Category for electronic products');
INSERT INTO Product_Category (name, desc) VALUES ('Clothing', 'Category for clothing products');

INSERT INTO Product_Inventory (quantity) VALUES (100);
INSERT INTO Product_Inventory (quantity) VALUES (500);

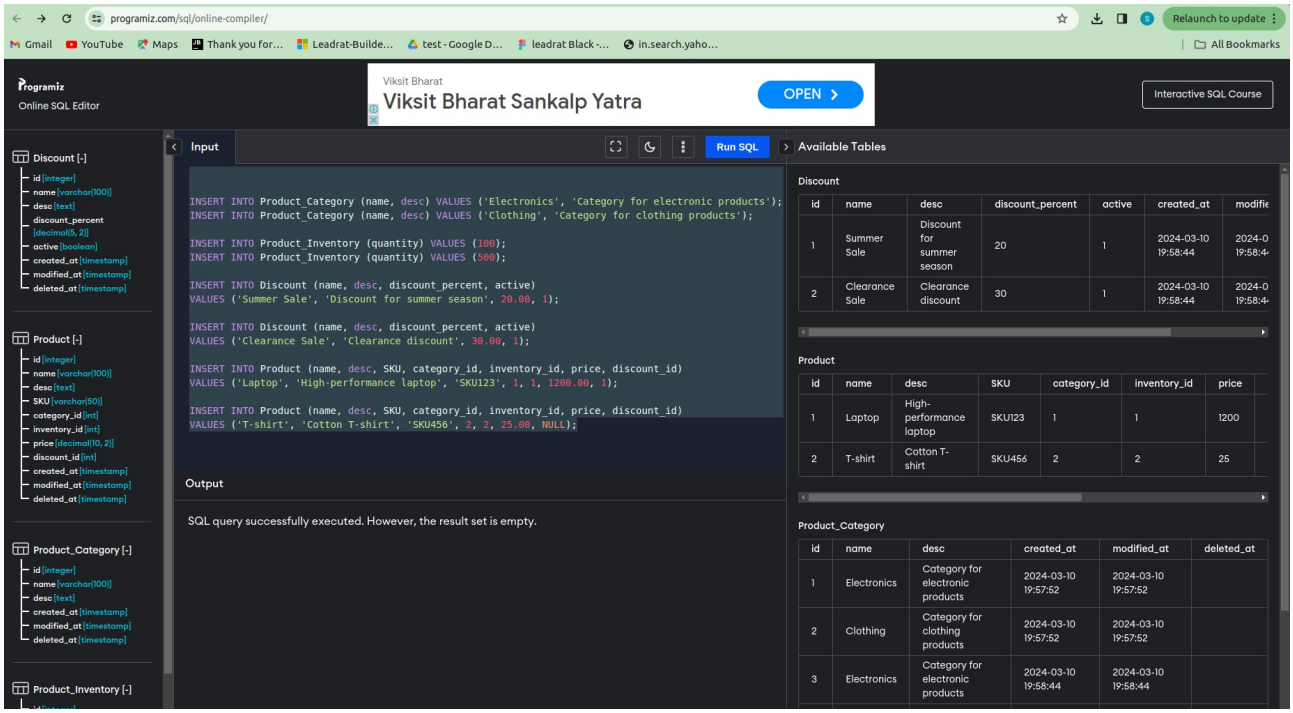
INSERT INTO Discount (name, desc, discount_percent, active)
VALUES ('Summer Sale', 'Discount for summer season', 20.00, 1);

INSERT INTO Discount (name, desc, discount_percent, active)
VALUES ('Clearance Sale', 'Clearance discount', 30.00, 1);

INSERT INTO Product (name, desc, SKU, category_id, inventory_id, price, discount_id)
VALUES ('Laptop', 'High-performance laptop', 'SKU123', 1, 1, 1200.00, 1);

INSERT INTO Product (name, desc, SKU, category_id, inventory_id, price, discount_id)
VALUES ('T-shirt', 'Cotton T-shirt', 'SKU456', 2, 2, 25.00, NULL);

Output:



Query for deleted_at (using for Product_Category Table)

```
UPDATE Product_Category
SET deleted_at = CURRENT_TIMESTAMP
WHERE id = 2;
```

Output: