

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:

The screenshot shows the Programiz Online SQL Editor interface. The top navigation bar includes the Programiz logo, a Holiday Inn advertisement, and a 'BOOK NOW' button. The main workspace is divided into three sections: a sidebar on the left showing the schema for four tables (Discount, Product, Product_Category, and Product_Inventory), a central input area containing SQL code to create these tables, and a right panel titled 'Available Tables' showing the data for each table.

SQL Code in Input Area:

```
-- 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
);
```

Available Tables:

- Discount:** id, name, desc, discount_percent, active, created_at, modified_at, deleted_at. Data: empty.
- Product:** id, name, desc, SKU, category_id, inventory_id, price, discount_id. Data: empty.
- Product_Category:** id, name, desc, created_at, modified_at, deleted_at. Data: empty.
- Product_Inventory:** id, quantity, created_at, modified_at, deleted_at. Data: empty.

Output: SQL query successfully executed. However, the result set is empty.

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:

Programiz Online SQL Editor

Viksit Bharat
Viksit Bharat Sankalp Yatra

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Interactive SQL Course

Input

```
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

SQL query successfully executed. However, the result set is empty.

Available Tables

Discount

id	name	desc	discount_percent	active	created_at	modified_at
1	Summer Sale	Discount for summer season	20	1	2024-03-10 19:58:44	2024-03-10 19:58:44
2	Clearance Sale	Clearance discount	30	1	2024-03-10 19:58:44	2024-03-10 19:58:44

Product

id	name	desc	SKU	category_id	inventory_id	price
1	Laptop	High-performance laptop	SKU123	1	1	1200
2	T-shirt	Cotton T-shirt	SKU456	2	2	25

Product_Category

id	name	desc	created_at	modified_at	deleted_at
1	Electronics	Category for electronic products	2024-03-10 19:57:52	2024-03-10 19:57:52	
2	Clothing	Category for clothing products	2024-03-10 19:57:52	2024-03-10 19:57:52	
3	Electronics	Category for electronic products	2024-03-10 19:58:44	2024-03-10 19:58:44	

Product_Inventory

id	quantity	created_at	modified_at	deleted_at
1	100	2024-03-10 19:58:44	2024-03-10 19:58:44	
2	500	2024-03-10 19:58:44	2024-03-10 19:58:44	

Query for deleted_at (using for Product_Category Table)

UPDATE Product_Category
SET deleted_at = CURRENT_TIMESTAMP
WHERE id = 2;

Output:

Programiz Online SQL Editor

Lisbon from ₹53,585*
Lufthansa

Interactive SQL Course

Input

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

Output

SQL query successfully executed. However, the result set is empty.

Available Tables

Product

id	name	desc	SKU	category_id	inventory_id	price
1	Laptop	High-performance laptop	SKU123	1	1	1200
2	T-shirt	Cotton T-shirt	SKU456	2	2	25

Product_Category

id	name	desc	created_at	modified_at	deleted_at
1	Electronics	Category for electronic products	2024-03-10 19:57:52	2024-03-10 19:57:52	
2	Clothing	Category for clothing products	2024-03-10 19:57:52	2024-03-10 19:57:52	2024-03-10 20:02:22
3	Electronics	Category for electronic products	2024-03-10 19:58:44	2024-03-10 19:58:44	
4	Clothing	Category for clothing products	2024-03-10 19:58:44	2024-03-10 19:58:44	

Product_Inventory

id	quantity	created_at	modified_at	deleted_at
1	100	2024-03-10 19:58:44	2024-03-10 19:58:44	
2	500	2024-03-10 19:58:44	2024-03-10 19:58:44	

