

Laboratory Activity 16 – Making DBMS in MySQL

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Section	BSIT2A	Score	

Create database query:

```
CREATE DATABASE IF NOT EXISTS PurpleBloomDB;  
USE PurpleBloomDB;
```

Create tables query:

```
-- Create CUSTOMER table
```

```
CREATE TABLE IF NOT EXISTS CUSTOMER (  
    CustomerID VARCHAR(10) PRIMARY KEY,  
    Name VARCHAR(100) NOT NULL,  
    ContactNumber VARCHAR(15) NOT NULL,  
    Email VARCHAR(100) NOT NULL UNIQUE  
);
```

```
-- Create OWNER table
```

```
CREATE TABLE IF NOT EXISTS OWNER (  
    OwnerID VARCHAR(10) PRIMARY KEY,  
    Name VARCHAR(100) NOT NULL,  
    ContactNumber VARCHAR(15) NOT NULL  
);
```

```
-- Create SCHEDULE table
```

```
CREATE TABLE IF NOT EXISTS SCHEDULE (  
    ScheduleID VARCHAR(10) PRIMARY KEY,  
    OwnerID VARCHAR(10) NOT NULL,
```

```
Date DATE NOT NULL,  
StartTime TIME NOT NULL,  
EndTime TIME NOT NULL,  
FOREIGN KEY (OwnerID) REFERENCES OWNER(OwnerID)  
);
```

-- Create BOUQUET table

```
CREATE TABLE IF NOT EXISTS BOUQUET (  
    BouquetID VARCHAR(10) PRIMARY KEY,  
    Name VARCHAR(100) NOT NULL,  
    Price DECIMAL(10,2) NOT NULL,  
    Description TEXT  
);
```

-- Create INVENTORY table

```
CREATE TABLE IF NOT EXISTS INVENTORY (  
    InventoryID VARCHAR(10) PRIMARY KEY,  
    BouquetID VARCHAR(10) NOT NULL,  
    CurrentQuota INT NOT NULL,  
    BatchReleaseDate DATE NOT NULL,  
    FOREIGN KEY (BouquetID) REFERENCES BOUQUET(BouquetID)  
);
```

-- Create INVENTORY_OWNER table

```
CREATE TABLE IF NOT EXISTS INVENTORY_OWNER (  
    InventoryOwnerID VARCHAR(10) PRIMARY KEY,  
    InventoryID VARCHAR(10) NOT NULL,
```

```
    OwnerID VARCHAR(10) NOT NULL,  
    FOREIGN KEY (InventoryID) REFERENCES  
INVENTORY(InventoryID),  
    FOREIGN KEY (OwnerID) REFERENCES OWNER(OwnerID)  
);
```

-- Create ORDER table

```
CREATE TABLE IF NOT EXISTS `ORDER` (  
    OrderID INT PRIMARY KEY,  
    OrderDate DATE NOT NULL,  
    CustomerID VARCHAR(10) NOT NULL,  
    FOREIGN KEY (CustomerID) REFERENCES  
CUSTOMER(CustomerID)  
);
```

-- Create ORDER_STATUS table

```
CREATE TABLE IF NOT EXISTS ORDER_STATUS (  
    StatusID VARCHAR(10) PRIMARY KEY,  
    OrderID INT NOT NULL,  
    OrderStatus VARCHAR(50) NOT NULL,  
    PaymentStatus VARCHAR(50) NOT NULL,  
    TotalAmount DECIMAL(10,2) NOT NULL,  
    OwnerID VARCHAR(10) NOT NULL,  
    FOREIGN KEY (OrderID) REFERENCES `ORDER`(OrderID),  
    FOREIGN KEY (OwnerID) REFERENCES OWNER(OwnerID)  
);
```

-- Create ORDER_BOUQUET table

```
CREATE TABLE IF NOT EXISTS ORDER_BOUQUET (  
    OrderBouquetID VARCHAR(10) PRIMARY KEY,  
    OrderID INT NOT NULL,  
    BouquetID VARCHAR(10) NOT NULL,  
    Quantity INT NOT NULL,  
    FOREIGN KEY (OrderID) REFERENCES `ORDER`(OrderID),  
    FOREIGN KEY (BouquetID) REFERENCES BOUQUET(BouquetID)  
);
```

-- Create DELIVERY table

```
CREATE TABLE IF NOT EXISTS DELIVERY (  
    DeliveryID VARCHAR(10) PRIMARY KEY,  
    OrderID INT NOT NULL,  
    Date DATE NOT NULL,  
    Time TIME NOT NULL,  
    Location VARCHAR(200) NOT NULL,  
    CustomerID VARCHAR(10) NOT NULL,  
    FOREIGN KEY (OrderID) REFERENCES `ORDER`(OrderID),  
    FOREIGN KEY (CustomerID) REFERENCES  
CUSTOMER(CustomerID)  
);
```

-- Check if tables were created successfully

```
SHOW TABLES;
```

-- Verify table structures

```
DESCRIBE CUSTOMER;
```

```
DESCRIBE OWNER;
```

```
DESCRIBE SCHEDULE;
```

```
DESCRIBE BOUQUET;  
DESCRIBE INVENTORY;  
DESCRIBE INVENTORY_OWNER;  
DESCRIBE `ORDER`;  
DESCRIBE ORDER_STATUS;  
DESCRIBE ORDER_BOUQUET;  
DESCRIBE DELIVERY;
```

Add data in tables (at least 2 data per table)

-- Insert data into CUSTOMER table

```
INSERT INTO CUSTOMER (CustomerID, Name, ContactNumber,  
Email)
```

```
VALUES ('C001', 'Maria Santos', '09123456789', 'maria@email.com');
```

```
INSERT INTO CUSTOMER (CustomerID, Name, ContactNumber,  
Email)
```

```
VALUES ('C002', 'Carlos Reyes', '09234567890', 'carlos@email.com');
```

```
INSERT INTO CUSTOMER (CustomerID, Name, ContactNumber,  
Email)
```

```
VALUES ('C003', 'Elena Gomez', '09345678901', 'elena@email.com');
```

-- Insert data into OWNER table

```
INSERT INTO OWNER (OwnerID, Name, ContactNumber)
```

```
VALUES ('O001', 'Jay Montecillo', '09876543210');
```

```
INSERT INTO OWNER (OwnerID, Name, ContactNumber)
```

```
VALUES ('O002', 'Anna Flores', '09765432109');
```

```
-- Insert data into SCHEDULE table
```

```
INSERT INTO SCHEDULE (ScheduleID, OwnerID, Date, StartTime,  
EndTime)
```

```
VALUES ('S001', 'O001', '2025-05-25', '13:00:00', '17:00:00');
```

```
INSERT INTO SCHEDULE (ScheduleID, OwnerID, Date, StartTime,  
EndTime)
```

```
VALUES ('S002', 'O001', '2025-05-26', '13:00:00', '17:00:00');
```

```
INSERT INTO SCHEDULE (ScheduleID, OwnerID, Date, StartTime,  
EndTime)
```

```
VALUES ('S003', 'O002', '2025-05-24', '09:00:00', '15:00:00');
```

```
-- Insert data into BOUQUET table
```

```
INSERT INTO BOUQUET (BouquetID, Name, Price, Description)
```

```
VALUES ('B001', 'Rose Elegance', 850.00, 'Beautiful arrangement of red  
roses');
```

```
INSERT INTO BOUQUET (BouquetID, Name, Price, Description)
```

```
VALUES ('B002', 'Sunflower Surprise', 750.00, 'Bright sunflowers with  
greenery');
```

```
INSERT INTO BOUQUET (BouquetID, Name, Price, Description)
```

```
VALUES ('B003', 'Lily Delight', 950.00, 'Elegant white lilies with ferns');
```

```
INSERT INTO BOUQUET (BouquetID, Name, Price, Description)
```

```
VALUES ('B004', 'Tulip Fantasy', 800.00, 'Colorful tulips arrangement');
```

-- Insert data into INVENTORY table

```
INSERT INTO INVENTORY (InventoryID, BouquetID, CurrentQuota,  
BatchReleaseDate)
```

```
VALUES ('I001', 'B001', 5, '2025-10-15');
```

```
INSERT INTO INVENTORY (InventoryID, BouquetID, CurrentQuota,  
BatchReleaseDate)
```

```
VALUES ('I002', 'B002', 3, '2025-10-15');
```

```
INSERT INTO INVENTORY (InventoryID, BouquetID, CurrentQuota,  
BatchReleaseDate)
```

```
VALUES ('I003', 'B003', 4, '2025-10-17');
```

-- Insert data into INVENTORY_OWNER table

```
INSERT INTO INVENTORY_OWNER (InventoryOwnerID, InventoryID,  
OwnerID)
```

```
VALUES ('IO001', 'I001', 'O001');
```

```
INSERT INTO INVENTORY_OWNER (InventoryOwnerID, InventoryID,  
OwnerID)
```

```
VALUES ('IO002', 'I002', 'O001');
```

```
INSERT INTO INVENTORY_OWNER (InventoryOwnerID, InventoryID,  
OwnerID)
```

```
VALUES ('IO003', 'I003', 'O002');
```

-- Insert data into ORDER table

```
INSERT INTO `ORDER` (OrderID, OrderDate, CustomerID)
```

```
VALUES (1001, '2025-10-15', 'C001');
```

```
INSERT INTO `ORDER` (OrderID, OrderDate, CustomerID)
```

```
VALUES (1002, '2025-10-16', 'C002');
```

```
INSERT INTO `ORDER` (OrderID, OrderDate, CustomerID)
```

```
VALUES (1003, '2025-10-17', 'C001');
```

```
-- Insert data into ORDER_STATUS table
```

```
INSERT INTO ORDER_STATUS (StatusID, OrderID, OrderStatus,  
PaymentStatus, TotalAmount, OwnerID)
```

```
VALUES ('OS001', 1001, 'Completed', 'Paid', 850.00, 'O001');
```

```
INSERT INTO ORDER_STATUS (StatusID, OrderID, OrderStatus,  
PaymentStatus, TotalAmount, OwnerID)
```

```
VALUES ('OS002', 1002, 'Processing', 'Pending', 750.00, 'O001');
```

```
INSERT INTO ORDER_STATUS (StatusID, OrderID, OrderStatus,  
PaymentStatus, TotalAmount, OwnerID)
```

```
VALUES ('OS003', 1003, 'Confirmed', 'Paid', 950.00, 'O002');
```

```
-- Insert data into ORDER_BOUQUET table
```

```
INSERT INTO ORDER_BOUQUET (OrderBouquetID, OrderID,  
BouquetID, Quantity)
```

```
VALUES ('OB001', 1001, 'B001', 1);
```

```
INSERT INTO ORDER_BOUQUET (OrderBouquetID, OrderID,  
BouquetID, Quantity)
```

```
VALUES ('OB002', 1002, 'B002', 1);
```



```
INSERT INTO ORDER_BOUQUET (OrderBouquetID, OrderID,  
BouquetID, Quantity)
```

```
VALUES ('OB003', 1003, 'B003', 1);
```

```
-- Insert data into DELIVERY table
```

```
INSERT INTO DELIVERY (DeliveryID, OrderID, Date, Time, Location,  
CustomerID)
```

```
VALUES ('D001', 1001, '2024-10-18', '14:00:00', 'SM City Davao',  
'C001');
```

```
INSERT INTO DELIVERY (DeliveryID, OrderID, Date, Time, Location,  
CustomerID)
```

```
VALUES ('D002', 1002, '2025-10-20', '10:00:00', 'Abreeza Mall', 'C002');
```

```
INSERT INTO DELIVERY (DeliveryID, OrderID, Date, Time, Location,  
CustomerID)
```

```
VALUES ('D003', 1003, '2025-10-21', '15:30:00', 'SM City Davao',  
'C001');
```