

# SQL QUERIES

## CREATING TABLES

```
EventID INT PRIMARY KEY,  
EventName VARCHAR(100),  
StartDate DATE,  
EndDate DATE,  
Description TEXT,  
EventType VARCHAR(50));
```

```
CREATE TABLE Venue (  
    VenueID INT PRIMARY KEY,  
    VenueName VARCHAR(100),  
    Address VARCHAR(255),  
    Description TEXT);
```

```
CREATE TABLE Booth (  
    BoothID INT PRIMARY KEY,  
    EventID INT,  
    Location VARCHAR(50),  
    FOREIGN KEY (EventID) REFERENCES Event(EventID));
```

```
CREATE TABLE Product (  
    ProductID INT PRIMARY KEY,  
    ProductName VARCHAR(100),  
    WholesaleCost DECIMAL(10,2),  
    MinSellingPrice DECIMAL(10,2));
```

```
CREATE TABLE Salesperson (  
    SalespersonID INT PRIMARY KEY,  
    FirstName VARCHAR(50),
```

```
LastName VARCHAR(50),  
Address VARCHAR(255),  
PhoneNumber VARCHAR(20));
```

```
CREATE TABLE Sales (  
    SaleID INT PRIMARY KEY,  
    BoothID INT,  
    SalespersonID INT,  
    ProductID INT,  
    QuantitySold INT,  
    SellingPrice DECIMAL(10,2),  
    SaleDateTime DATETIME,  
    FOREIGN KEY (BoothID) REFERENCES Booth(BoothID),  
    FOREIGN KEY (SalespersonID) REFERENCES Salesperson(SalespersonID),  
    FOREIGN KEY (ProductID) REFERENCES Product(ProductID));
```

### [DATA Population](#)

#### -- Inserting into Event table

```
INSERT INTO Event (EventID, EventName, StartDate, EndDate, Description, EventType)  
VALUES  
(1, 'Music Festival', '2024-05-01', '2024-05-03', 'Annual music festival showcasing various artists.',  
'Music Festival'),  
(2, 'Trade Show', '2024-06-15', '2024-06-17', 'Industry trade show for showcasing new products.',  
'Trade Show'),  
(3, 'Rib Fest', '2024-07-20', '2024-07-22', 'Festival featuring various BBQ ribs vendors.', 'Rib Fest');
```

-- Inserting into Venue table

```
INSERT INTO Venue (VenueID, VenueName, Address, Description)
```

```
VALUES
```

```
(1, 'Central Park', '123 Main Street, Anytown', 'Large outdoor park venue for events.');
```

```
(2, 'Convention Center', '456 Elm Street, Cityville', 'Spacious convention center with multiple halls.');
```

```
(3, 'Waterfront Park', '789 Oak Street, Rivertown', 'Scenic park along the river for outdoor events.');
```

-- Inserting into Booth table

```
INSERT INTO Booth (BoothID, EventID, Location)
```

```
VALUES
```

```
(101, 1, 'Main Stage Area'),
```

```
(102, 1, 'Food Court Area'),
```

```
(201, 2, 'Hall A'),
```

```
(202, 2, 'Hall B'),
```

```
(301, 3, 'Riverside Area'),
```

```
(302, 3, 'Entertainment Zone');
```

-- Inserting into Product table

```
INSERT INTO Product (ProductID, ProductName, WholesaleCost, MinSellingPrice)
```

```
VALUES
```

```
(1, 'Bubble Gun', 5.00, 10.00),
```

```
(2, 'Cooling Towel', 3.50, 7.00),
```

```
(3, 'Emoji Pillow', 8.00, 15.00);
```

-- Inserting into Salesperson table

```
INSERT INTO Salesperson (SalespersonID, FirstName, LastName, Address, PhoneNumber)
```

```
VALUES
```

```
(1001, 'John', 'Doe', '321 Maple Avenue, Townsville', '555-1234'),
```

```
(1002, 'Jane', 'Smith', '456 Oak Street, Villagetown', '555-5678'),
```

```
(1003, 'Michael', 'Johnson', '789 Pine Road, Citytown', '555-9012');
```

-- Inserting into Sales table

```
INSERT INTO Sales (SaleID, BoothID, SalespersonID, ProductID, QuantitySold, SellingPrice, SaleDateTime)
```

```
VALUES
```

```
(1, 101, 1001, 1, 20, 12.50, '2024-05-01 12:30:00'),
```

```
(2, 101, 1002, 2, 15, 8.00, '2024-05-02 10:45:00'),
```

```
(3, 102, 1003, 3, 10, 18.00, '2024-05-03 14:20:00');
```

## DATA MODIFICATION

```
UPDATE Salesperson
```

```
SET PhoneNumber = '555-4322'
```

```
WHERE SalespersonID = 1001;
```

```
DELETE FROM Sales
```

```
WHERE SaleDateTime < '2024-05-01 00:00:00';
```