

## DATABASE CREATION

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create database sales;

### Customer Table:

```
CREATE TABLE Customer (  
    cust_id INT PRIMARY KEY,  
    cust_name VARCHAR(50),  
    city VARCHAR(50),  
    mob_no VARCHAR(20),  
    email VARCHAR(50)  
);  
INSERT INTO Customer (cust_id, cust_name, city, mob_no, email)  
VALUES (1, 'John Smith', 'New York', '555-1234', 'john.smith@example.com');  
  
INSERT INTO Customer (cust_id, cust_name, city, mob_no, email)  
VALUES (2, 'Jane Doe', 'Los Angeles', '555-5678', 'jane.doe@example.com');  
  
INSERT INTO Customer (cust_id, cust_name, city, mob_no, email)  
VALUES (3, 'Bob Johnson', 'Chicago', '555-2468', 'bob.johnson@example.com');  
  
INSERT INTO Customer (cust_id, cust_name, city, mob_no, email)  
VALUES (4, 'Alice Williams', 'Houston', '555-7890', 'alice.williams@example.com');  
  
INSERT INTO Customer (cust_id, cust_name, city, mob_no, email)  
VALUES (5, 'Mike Brown', 'Miami', '555-1357', 'mike.brown@example.com');
```

### Supplier Table:

```
CREATE TABLE Supplier (  
    supp_id INT PRIMARY KEY,  
    supp_name VARCHAR(50),  
    city VARCHAR(50),  
    mob_no VARCHAR(20),  
    email VARCHAR(50)
```

);

```
INSERT INTO Supplier (supp_id, supp_name, city, mob_no, email)
VALUES (1, 'ABC Company', 'New York', '555-1234', 'abc@example.com');
```

```
INSERT INTO Supplier (supp_id, supp_name, city, mob_no, email)
VALUES (2, 'XYZ Corporation', 'Los Angeles', '555-5678', 'xyz@example.com');
```

```
INSERT INTO Supplier (supp_id, supp_name, city, mob_no, email)
VALUES (3, 'PQR Ltd.', 'Chicago', '555-2468', 'pqr@example.com');
```

```
INSERT INTO Supplier (supp_id, supp_name, city, mob_no, email)
VALUES (4, 'EFG Enterprises', 'Houston', '555-7890', 'efg@example.com');
```

```
INSERT INTO Supplier (supp_id, supp_name, city, mob_no, email)
VALUES (5, 'LMN Industries', 'Miami', '555-1357', 'lmn@example.com');
```

#### **Bill Table:**

```
CREATE TABLE Bill (
    bill_no INT PRIMARY KEY,
    cust_id INT,
    medi_name VARCHAR(50),
    medi_rate DECIMAL(10, 2),
    cust_name VARCHAR(50),
    year INT,
    month INT,
    day INT,
    total DECIMAL(10, 2),
    FOREIGN KEY (cust_id) REFERENCES Customer(cust_id)
);
```

```
INSERT INTO Bill (bill_no, cust_id, medi_name, medi_rate, cust_name, year, month, day, total)
VALUES (1, 1, 'Aspirin', 2.50, 'John Smith', 2023, 4, 12, 10.00);
```

```
INSERT INTO Bill (bill_no, cust_id, medi_name, medi_rate, cust_name, year, month, day, total)
VALUES (2, 2, 'Ibuprofen', 3.50, 'Jane Doe', 2023, 4, 12, 14.00);
```

```
INSERT INTO Bill (bill_no, cust_id, medi_name, medi_rate, cust_name, year, month, day, total)
VALUES (3, 3, 'Acetaminophen', 4.00, 'Bob Johnson', 2023, 4, 11, 12.00);
```

```
INSERT INTO Bill (bill_no, cust_id, medi_name, medi_rate, cust_name, year, month, day, total)
VALUES (4, 4, 'Vitamin C', 1.50, 'Alice Williams', 2023, 4, 10, 6.00);
```

```
INSERT INTO Bill (bill_no, cust_id, medi_name, medi_rate, cust_name, year, month, day, total)
VALUES (5, 5, 'Antacid', 5.00, 'Mike Brown', 2023, 4, 9, 15.00);
```

### **Medical Table:**

```
CREATE TABLE Medical (
  medi_id INT PRIMARY KEY,
  bill_no INT,
  supp_id INT,
  medi_name VARCHAR(50),
  rack INT,
  cabinet INT,
  unit INT,
  cost DECIMAL(10, 2),
  exp_date DATE,
  profit DECIMAL(10, 2),
  purr_date DATE,
  supp_name VARCHAR(50),
  comp_name VARCHAR(50),
  FOREIGN KEY (bill_no) REFERENCES Bill(bill_no),
  FOREIGN KEY (supp_id) REFERENCES Supplier(supp_id)
);
```

```
INSERT INTO Medical (medi_id, bill_no, supp_id, medi_name, rack, cabinet, unit, cost,
exp_date, profit, purr_date, supp_name, comp_name)
VALUES (1, 1, 1, 'Aspirin', 1, 1, 100, 1.50, '2024-12-31', 0.50, '2023-04-12', 'ABC Company',
'Pharmaceuticals Inc.');
```

```
INSERT INTO Medical (medi_id, bill_no, supp_id, medi_name, rack, cabinet, unit, cost,
exp_date, profit, purr_date, supp_name, comp_name)
VALUES (2, 2, 2, 'Ibuprofen', 2, 1, 50, 2.00, '2025-06-30', 0.75, '2023-04-12', 'XYZ Corporation',
'Healthcare Ltd.');
```

```
INSERT INTO Medical (medi_id, bill_no, supp_id, medi_name, rack, cabinet, unit, cost,
exp_date, profit, purr_date, supp_name, comp_name)
VALUES (3, 3, 3, 'Acetaminophen', 1, 2, 75, 3.00, '2023-10-31', 1.00, '2023-04-11', 'PQR Ltd.',
'Pharmaceuticals Inc.');
```

```
INSERT INTO Medical (medi_id, bill_no, supp_id, medi_name, rack, cabinet, unit, cost,
exp_date, profit, purr_date, supp_name, comp_name)
```

```
VALUES (4, 4, 4, 'Vitamin C', 2, 2, 200, 0.50, '2024-12-31', 0.25, '2023-04-10', 'EFG Enterprises', 'Healthcare Ltd.');
```

```
INSERT INTO Medical (medi_id, bill_no, supp_id, medi_name, rack, cabinet, unit, cost, exp_date, profit, purr_date, supp_name, comp_name)
VALUES (5, 5, 5, 'Antacid', 3, 1, 60, 4.00, '2022-12-31', 1.50, '2023-04-09', 'LMN Industries', 'Pharmaceuticals Inc.');
```

### **Purchase\_Report Table:**

```
CREATE TABLE Purchase_Report (
    medi_id INT,
    supp_id INT,
    qty INT,
    rate DECIMAL(10, 2),
    total DECIMAL(10, 2),
    SDay INT,
    SMonth INT,
    SYear INT,
    supp_name VARCHAR(50),
    medi_name VARCHAR(50),
    FOREIGN KEY (medi_id) REFERENCES Medical(medi_id),
    FOREIGN KEY (supp_id) REFERENCES Supplier(supp_id)
);
```

```
INSERT INTO Purchase_Report (medi_id, supp_id, qty, rate, total, SDay, SMonth, SYear, supp_name, medi_name)
VALUES (1, 1, 100, 1.50, 150.00, 12, 4, 2023, 'ABC Company', 'Aspirin');
```

```
INSERT INTO Purchase_Report (medi_id, supp_id, qty, rate, total, SDay, SMonth, SYear, supp_name, medi_name)
VALUES (2, 2, 50, 2.00, 100.00, 11, 4, 2023, 'XYZ Corporation', 'Ibuprofen');
```

```
INSERT INTO Purchase_Report (medi_id, supp_id, qty, rate, total, SDay, SMonth, SYear, supp_name, medi_name)
VALUES (3, 3, 75, 3.00, 225.00, 10, 4, 2023, 'PQR Ltd.', 'Acetaminophen');
```

```
INSERT INTO Purchase_Report (medi_id, supp_id, qty, rate, total, SDay, SMonth, SYear, supp_name, medi_name)
VALUES (4, 4, 200, 0.50, 100.00, 9, 4, 2023, 'EFG Enterprises', 'Vitamin C');
```

```
INSERT INTO Purchase_Report (medi_id, supp_id, qty, rate, total, SDay, SMonth, SYear,
supp_name, medi_name)
VALUES (5, 5, 60, 4.00, 240.00, 8, 4, 2023, 'LMN Industries', 'Antacid');
```

### **Sales\_report Table:**

```
CREATE TABLE sales_report (
    FK_medi_id INT,
    qty INT,
    rate INT,
    total INT,
    SDay INT,
    SMonth VARCHAR(10),
    SYear INT,
    cust_name VARCHAR(50),
    medi_name VARCHAR(50)
);
```

```
INSERT INTO sales_report (FK_medi_id, qty, rate, total, SDay, SMonth, SYear, cust_name,
medi_name) VALUES
(1, 5, 10, 50, 12, 'Jan', 2023, 'John', 'Aspirin'),
(2, 3, 15, 45, 15, 'Feb', 2023, 'Sarah', 'Ibuprofen'),
(3, 2, 20, 40, 20, 'Mar', 2023, 'David', 'Paracetamol');
```

### **Profit\_report Table:**

```
CREATE TABLE profit_report (
    FK_medi_id INT,
    qty INT,
    rate INT,
    SDay INT,
    SMonth VARCHAR(10),
    SYear INT,
    unit VARCHAR(10),
    medi_name VARCHAR(50),
    profit INT
);
```

```
INSERT INTO profit_report(FK_medi_id,qty,rate,SDay,SMonth,SYear,unit,medi_name,profit)VALUES
(1,5,10,12,'Jan',2023,'Bottle','Asprin',25),
(2,3,15,15,'Feb',2023,'Box','Ibuprofen',30),
(3,2,20,20,'Mar',2023,'Packet','Paracetamol',20);
```