

```
create database fdbproject;
use fdbproject;
```

```
-- -----
```

```
-- 1. Role
```

```
-- -----
```

```
CREATE TABLE Role (
  role_id INT AUTO_INCREMENT PRIMARY KEY,
  role_name VARCHAR(50) NOT NULL UNIQUE
);
```

```
-- -----
```

```
-- 2. User
```

```
-- -----
```

```
CREATE TABLE user (
  user_id INT AUTO_INCREMENT PRIMARY KEY,
  username VARCHAR(50) NOT NULL,
  password VARCHAR(255) NOT NULL,
  role_id INT NOT NULL,
  FOREIGN KEY (role_id) REFERENCES Role(role_id)
);
```

```
-- -----
```

```
-- 3. Staff
```

```
-- -----
```

```
CREATE TABLE Staff (
  staff_id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(100) NOT NULL,
  phone VARCHAR(20),
  role_id INT NOT NULL,
  salary DECIMAL(10,2) DEFAULT 0,
  FOREIGN KEY (role_id) REFERENCES Role(role_id)
);
```

```
-- -----
```

```
-- 4. Customer
```

```
-- -----
```

```
CREATE TABLE Customer (
  customer_id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(100) NOT NULL,
  phone VARCHAR(20)
);
```

```
-- -----
```

```
-- 5. Table
```

```
-- -----
```

```
CREATE TABLE `Table` (
```

```

    table_id INT AUTO_INCREMENT PRIMARY KEY,
    table_number INT NOT NULL UNIQUE,
    seating_capacity INT NOT NULL,
    status ENUM('Available', 'Reserved') DEFAULT 'Available'
);

-- -----
-- 6. Reservation
-- -----
CREATE TABLE Reservation (
    reservation_id INT AUTO_INCREMENT PRIMARY KEY,
    customer_id INT NOT NULL,
    table_id INT NOT NULL,
    reservation_date DATE NOT NULL,
    time_slot VARCHAR(50) NOT NULL,
    guest_count INT NOT NULL,
    status ENUM('Reserved', 'Cancelled') DEFAULT 'Reserved',
    FOREIGN KEY (customer_id) REFERENCES Customer(customer_id),
    FOREIGN KEY (table_id) REFERENCES `Table`(table_id)
);

-- -----
-- 7. MenuCategory
-- -----
CREATE TABLE MenuCategory (
    category_id INT AUTO_INCREMENT PRIMARY KEY,
    category_name VARCHAR(50) NOT NULL UNIQUE
);

-- -----
-- 8. MenuItem
-- -----
CREATE TABLE MenuItem (
    menu_item_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100) NOT NULL,
    price DECIMAL(10,2) NOT NULL,
    category_id INT NOT NULL,
    is_available BOOLEAN DEFAULT TRUE,
    FOREIGN KEY (category_id) REFERENCES MenuCategory(category_id)
);

-- -----
-- 9. Order
-- -----
CREATE TABLE `Order` (
    order_id INT AUTO_INCREMENT PRIMARY KEY,
    staff_id INT,
    customer_id INT NOT NULL,

```

```
    order_time DATETIME DEFAULT CURRENT_TIMESTAMP,  
    status ENUM('Placed', 'Cancelled') DEFAULT 'Placed',  
    FOREIGN KEY (staff_id) REFERENCES Staff(staff_id),  
    FOREIGN KEY (customer_id) REFERENCES Customer(customer_id)  
);
```

```
-- -----  
-- 10. OrderDetail  
-- -----
```

```
CREATE TABLE OrderDetail (  
    order_detail_id INT AUTO_INCREMENT PRIMARY KEY,  
    order_id INT NOT NULL,  
    menu_item_id INT NOT NULL,  
    quantity INT NOT NULL,  
    price DECIMAL(10,2) NOT NULL,  
    FOREIGN KEY (order_id) REFERENCES `Order`(order_id),  
    FOREIGN KEY (menu_item_id) REFERENCES MenuItem(menu_item_id)  
);
```

```
-- -----  
-- 11. Discount  
-- -----
```

```
CREATE TABLE Discount (  
    discount_id INT AUTO_INCREMENT PRIMARY KEY,  
    discount_code VARCHAR(50) UNIQUE NOT NULL,  
    discount_percentage DECIMAL(5,2) NOT NULL  
);
```

```
-- -----  
-- 12. Invoice  
-- -----
```

```
CREATE TABLE Invoice (  
    invoice_id INT AUTO_INCREMENT PRIMARY KEY,  
    order_id INT,  
    total_amount DECIMAL(10,2) NOT NULL,  
    discount_id INT,  
    created_at DATETIME DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (order_id) REFERENCES `Order`(order_id),  
    FOREIGN KEY (discount_id) REFERENCES Discount(discount_id)  
);
```

```
-- -----  
-- 13. Payment  
-- -----
```

```
CREATE TABLE Payment (  
    payment_id INT AUTO_INCREMENT PRIMARY KEY,  
    invoice_id INT NOT NULL,
```

```
    amount_paid DECIMAL(10,2) NOT NULL,  
    payment_method ENUM('Cash', 'UPI') DEFAULT 'Cash',  
    payment_date DATETIME DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (invoice_id) REFERENCES Invoice(invoice_id)  
);
```

```
-- -----  
-- 14. InventoryItem  
-- -----
```

```
CREATE TABLE InventoryItem (  
    item_id INT AUTO_INCREMENT PRIMARY KEY,  
    item_name VARCHAR(100) NOT NULL,  
    unit VARCHAR(50),  
    current_quantity DECIMAL(10,2) DEFAULT 0,  
    category VARCHAR(50) NOT NULL  
);
```

```
-- -----  
-- 15. Supplier  
-- -----
```

```
CREATE TABLE Supplier (  
    supplier_id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    phone VARCHAR(20),  
    category VARCHAR(50) NOT NULL  
);
```

```
-- -----  
-- 16. Purchase  
-- -----
```

```
CREATE TABLE Purchase (  
    purchase_id INT AUTO_INCREMENT PRIMARY KEY,  
    supplier_id INT NOT NULL,  
    staff_id INT NOT NULL,  
    purchase_date DATE NOT NULL,  
    status ENUM('Ordered', 'Received', 'Cancelled') DEFAULT 'Ordered',  
    total_amount DECIMAL(10,2) DEFAULT 0,  
    FOREIGN KEY (supplier_id) REFERENCES Supplier(supplier_id),  
    FOREIGN KEY (staff_id) REFERENCES Staff(staff_id)  
);
```

```
-- -----  
-- 17. PurchaseDetail  
-- -----
```

```
CREATE TABLE PurchaseDetail (  
    purchase_detail_id INT AUTO_INCREMENT PRIMARY KEY,  
    purchase_id INT NOT NULL,  
    item_id INT NOT NULL,
```

```
quantity DECIMAL(10,2) NOT NULL,  
price_per_unit DECIMAL(10,2) NOT NULL,  
FOREIGN KEY (purchase_id) REFERENCES Purchase(purchase_id),  
FOREIGN KEY (item_id) REFERENCES InventoryItem(item_id)  
);
```

```
-- -----  
-- 18. Event  
-- -----
```

```
CREATE TABLE Event (  
    event_id INT AUTO_INCREMENT PRIMARY KEY,  
    event_name VARCHAR(100) NOT NULL,  
    event_date DATE NOT NULL,  
    start_time TIME NOT NULL,  
    end_time TIME NOT NULL,  
    location VARCHAR(100) NOT NULL,  
    created_by_staff_id INT NOT NULL,  
    FOREIGN KEY (created_by_staff_id) REFERENCES Staff(staff_id)  
);
```

```
-- -----  
-- 19. EventBooking  
-- -----
```

```
CREATE TABLE EventBooking (  
    event_booking_id INT AUTO_INCREMENT PRIMARY KEY,  
    event_id INT NOT NULL,  
    customer_id INT NOT NULL,  
    booking_date DATE,  
    guest_count INT NOT NULL,  
    FOREIGN KEY (event_id) REFERENCES Event(event_id),  
    FOREIGN KEY (customer_id) REFERENCES Customer(customer_id)  
);
```

```
-- -----  
-- 20. ShiftSchedule  
-- -----
```

```
CREATE TABLE ShiftSchedule (  
    shift_id INT AUTO_INCREMENT PRIMARY KEY,  
    staff_id INT NOT NULL,  
    shift_date DATE NOT NULL,  
    start_time TIME NOT NULL,  
    end_time TIME NOT NULL,  
    FOREIGN KEY (staff_id) REFERENCES Staff(staff_id)  
);
```

```
select * from role;
select * from Customer;
select * from Discount;
select * from Event;
select * from EventBooking;
select * from InventoryItem;
select * from Invoice;
select * from MenuCategory;
select * from MenuItem;
select * from `Order`;
select * from OrderDetail;
select * from Discount;
select * from Invoice;
select * from Payment;
select * from Reservation;
select * from Supplier;
select * from Purchase;
select * from PurchaseDetail;
select * from ShiftSchedule;
select * from user;
select * from staff;
```

```
-- -----  
-- Insert into Role  
-- -----
```

```
INSERT INTO Role (role_name) VALUES  
(Admin'),  
(Manager'),  
(chef');
```

```
-- -----  
-- Insert into User  
-- -----
```

```
INSERT INTO user (username, password, role_id) VALUES  
(admin1', 'adm123', 1),  
(manager1', 'manager123', 2);
```

```
-- -----  
-- Insert into Staff  
-- -----
```

```
INSERT INTO Staff (name, phone, role_id, salary) VALUES  
(John Admin', '9876543210', 1, 50000),  
(Sara Manager', '9876543211', 2, 40000),  
(Mike Staff', '9876543212', 3, 25000);
```

```
-- -----  
-- Insert into Customer  
-- -----
```

```
INSERT INTO Customer (name, phone) VALUES  
(Alice', '9123456780'),  
(Bob', '9123456781');
```

```
-- -----  
-- Insert into Table  
-- -----
```

```
INSERT INTO `Table` (table_number, seating_capacity) VALUES  
(1, 4),  
(2, 6),  
(3, 2);
```

```
-- -----  
-- Insert into Reservation  
-- -----
```

```
INSERT INTO Reservation (customer_id, table_id, reservation_date, time_slot, guest_count)  
VALUES  
(1, 1, '2025-05-01', '7PM-9PM', 2),  
(2, 2, '2025-05-02', '8PM-10PM', 4);
```

```

-- -----
-- Insert into MenuCategory
-- -----
INSERT INTO MenuCategory (category_name) VALUES
('Tiffins'),
('Lunch'),
('Snacks'),
('Drinks');

-- -----
-- Insert into MenuItem
-- -----
INSERT INTO MenuItem (name, price, category_id) VALUES
('Idli', 50, 1),
('Dosa', 70, 1),
('Veg Thali', 150, 2),
('Chicken Biryani', 200, 2),
('French Fries', 90, 3),
('Coke', 60, 4);

-- -----
-- Insert into Order
-- -----
INSERT INTO `Order` (staff_id, customer_id) VALUES
(1, 1),
(3, 2);

-- -----
-- Insert into OrderDetail
-- -----
INSERT INTO OrderDetail (order_id, menu_item_id, quantity, price) VALUES
(1, 1, 2, 50),
(1, 6, 1, 60),
(2, 4, 1, 200);

-- -----
-- Insert into Discount
-- -----
INSERT INTO Discount (discount_code, discount_percentage) VALUES
('NEWUSER10', 10.00),
('SUMMER20', 20.00);

-- -----
-- Insert into Invoice
-- -----
INSERT INTO Invoice (order_id, total_amount, discount_id) VALUES
(1, 160, 1),
(2, 200, NULL);

```



```

-- -----
-- Insert into Payment
-- -----
INSERT INTO Payment (invoice_id, amount_paid, payment_method) VALUES
(1, 144, 'Cash'),
(2, 200, 'UPI');

-- -----
-- Insert into InventoryItem
-- -----
INSERT INTO InventoryItem (item_name, unit, current_quantity, category) VALUES
('Rice', 'kg', 100, 'Grocery'),
('Chicken', 'kg', 50, 'Meat'),
('Coke Bottles', 'bottle', 200, 'Drinks');

-- -----
-- Insert into Supplier
-- -----
INSERT INTO Supplier (name, phone, category) VALUES
('FreshFoods', '9999999990', 'Grocery'),
('MeatMaster', '9999999991', 'Meat'),
('CoolDrinks Co.', '9999999992', 'Drinks');

-- -----
-- Insert into Purchase
-- -----
INSERT INTO Purchase (supplier_id, staff_id, purchase_date, status, total_amount)
VALUES
(1, 2, '2025-04-25', 'Ordered', 5000),
(2, 3, '2025-04-26', 'Received', 3000);

-- -----
-- Insert into PurchaseDetail
-- -----
INSERT INTO PurchaseDetail (purchase_id, item_id, quantity, price_per_unit) VALUES
(1, 1, 50, 100),
(2, 2, 30, 100);

-- -----
-- Insert into Event
-- -----
INSERT INTO Event (event_name, event_date, start_time, end_time, location,
created_by_staff_id) VALUES
('Birthday Party', '2025-05-05', '18:00:00', '22:00:00', 'Banquet Hall', 1),
('Corporate Lunch', '2025-05-10', '12:00:00', '15:00:00', 'Conference Room', 2);

```

-- -----

-- Insert into EventBooking

-- -----

```
INSERT INTO EventBooking (event_id, customer_id, booking_date, guest_count) VALUES
(1, 1, '2025-04-20', 50),
(2, 2, '2025-04-21', 30);
```

-- -----

-- Insert into ShiftSchedule

-- -----

```
INSERT INTO ShiftSchedule (staff_id, shift_date, start_time, end_time) VALUES
(1, '2025-04-27', '09:00:00', '17:00:00'),
(2, '2025-04-27', '10:00:00', '18:00:00'),
(3, '2025-04-27', '12:00:00', '20:00:00');
```