

V.Rajkumar

22CS132

DBMS

```
mysql> create database fos;
```

Query OK, 1 row affected (0.01 sec)

```
mysql> use fos;
```

Database changed

```
1) mysql> CREATE TABLE 22CS132_User (
```

```
->   UserID INT PRIMARY KEY,
```

```
->   Name VARCHAR(255),
```

```
->   Email VARCHAR(255),
```

```
->   MobileNumber VARCHAR(15),
```

```
->   Password VARCHAR(255)
```

```
-> );
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> CREATE TABLE 22CS132_User (
->   UserID INT PRIMARY KEY,
->   Name VARCHAR(255),
->   Email VARCHAR(255),
->   MobileNumber VARCHAR(15),
->   Password VARCHAR(255)
-> );
Query OK, 0 rows affected (0.03 sec)
```

```
2)mysql> ALTER TABLE 22CS132_User
```

```
-> ADD CONSTRAINT UC_22CS132_User_Email UNIQUE (Email);
```

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_User
->   ADD CONSTRAINT UC_22CS132_User_Email UNIQUE (Email);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

3)mysql> CREATE TABLE 22CS132_Restaurant (

- > RestaurantID INT PRIMARY KEY,
- > Name VARCHAR(255),
- > Description TEXT,
- > Location VARCHAR(255),
- > ContactNumber VARCHAR(15)
- >);

Query OK, 0 rows affected (0.02 sec)

```
mysql> CREATE TABLE 22CS132_Restaurant (
->         RestaurantID INT PRIMARY KEY,
->         Name VARCHAR(255),
->         Description TEXT,
->         Location VARCHAR(255),
->         ContactNumber VARCHAR(15)
-> );
Query OK, 0 rows affected (0.02 sec)
```

4)mysql> ALTER TABLE 22CS132_Restaurant

-> ADD Specials TEXT;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_Restaurant
->     ADD Specials TEXT;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

5)mysql> ALTER TABLE 22CS132_Restaurant

-> MODIFY ContactNumber VARCHAR(30);

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_Restaurant  
-> MODIFY ContactNumber VARCHAR(30);  
Query OK, 0 rows affected (0.01 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

6)mysql> CREATE TABLE 22CS132_Menu (

```
-> MenuID INT PRIMARY KEY,  
-> RestaurantID INT,  
-> FOREIGN KEY (RestaurantID) REFERENCES 22CS132_Restaurant(RestaurantID)  
-> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> CREATE TABLE 22CS132_Menu (  
-> MenuID INT PRIMARY KEY,  
-> RestaurantID INT,  
-> FOREIGN KEY (RestaurantID) REFERENCES 22CS132_Restaurant(RestaurantID)  
-> );  
Query OK, 0 rows affected (0.04 sec)
```

mysql> CREATE TABLE 22CS132_MenuItem (

```
-> MenuItemID INT PRIMARY KEY,  
-> MenuID INT,  
-> Name VARCHAR(255),  
-> Description TEXT,  
-> Price DECIMAL(10, 2),  
-> FOREIGN KEY (MenuID) REFERENCES 22CS132_Menu(MenuID)  
-> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> CREATE TABLE 22CS132_MenuItem (  
-> MenuItemID INT PRIMARY KEY,  
-> MenuID INT,  
-> Name VARCHAR(255),  
-> Description TEXT,  
-> Price DECIMAL(10, 2),  
-> FOREIGN KEY (MenuID) REFERENCES 22CS132_Menu(MenuID)  
-> );  
Query OK, 0 rows affected (0.04 sec)
```

7)mysql> ALTER TABLE 22CS132_MenuItem

-> DROP COLUMN Description;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_MenuItem
-> DROP COLUMN Description;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

8)mysql> ALTER TABLE 22CS132_MenuItem

-> RENAME TO 22CS132_Dish;

Query OK, 0 rows affected (0.02 sec)

```
mysql> ALTER TABLE 22CS132_MenuItem
-> RENAME TO 22CS132_Dish;
Query OK, 0 rows affected (0.02 sec)
```

9)mysql> CREATE TABLE 22CS132_Order (

-> OrderID INT PRIMARY KEY,

-> UserID INT,

-> RestaurantID INT,

-> OrderDate DATETIME,

-> DeliveryAddress VARCHAR(255),

-> TotalAmount DECIMAL(10, 2),

-> OrderStatus VARCHAR(255),

-> FOREIGN KEY (UserID) REFERENCES 22CS132_User(UserID),

-> FOREIGN KEY (RestaurantID) REFERENCES 22CS132_Restaurant(RestaurantID)

->);

Query OK, 0 rows affected (0.05 sec)

```
mysql> CREATE TABLE 22CS132_Order (
->     OrderID INT PRIMARY KEY,
->     UserID INT,
->     RestaurantID INT,
->     OrderDate DATETIME,
->     DeliveryAddress VARCHAR(255),
->     TotalAmount DECIMAL(10, 2),
->     OrderStatus VARCHAR(255),
->     FOREIGN KEY (UserID) REFERENCES 22CS132_User(UserID),
->     FOREIGN KEY (RestaurantID) REFERENCES 22CS132_Restaurant(RestaurantID)
-> );
Query OK, 0 rows affected (0.05 sec)
```

10)mysql> ALTER TABLE 22CS132_Order

-> MODIFY OrderStatus VARCHAR(3) CHECK (OrderStatus IN ('yes', 'no'));

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_Order
->     MODIFY OrderStatus VARCHAR(3) CHECK (OrderStatus IN ('yes', 'no'));
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

mysql> ALTER TABLE 22CS132_Order

-> MODIFY OrderStatus VARCHAR(3);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_Order
->     MODIFY OrderStatus VARCHAR(3);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

11)mysql> ALTER TABLE 22CS132_Order

-> ADD CONSTRAINT CK_22CS132_Order_TotalAmount CHECK (TotalAmount > 100);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_Order
->     ADD CONSTRAINT CK_22CS132_Order_TotalAmount CHECK (TotalAmount > 100);
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

12)mysql> CREATE TABLE 22CS132_PaymentMethod (

```

-> PaymentMethodID INT PRIMARY KEY,
-> UserID INT,
-> CardNumber VARCHAR(16),
-> ExpiryDate DATE,
-> CVV VARCHAR(4),
-> FOREIGN KEY (UserID) REFERENCES 22CS132_User(UserID)
-> );

```

Query OK, 0 rows affected (0.04 sec)

```

mysql> CREATE TABLE 22CS132_PaymentMethod (
->     PaymentMethodID INT PRIMARY KEY,
->     UserID INT,
->     CardNumber VARCHAR(16),
->     ExpiryDate DATE,
->     CVV VARCHAR(4),
->     FOREIGN KEY (UserID) REFERENCES 22CS132_User(UserID)
-> );
Query OK, 0 rows affected (0.04 sec)

```

13)mysql> ALTER TABLE 22CS132_PaymentMethod

```

-> ADD PaymentType VARCHAR(50);

```

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

```

mysql> ALTER TABLE 22CS132_PaymentMethod
->     ADD PaymentType VARCHAR(50);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

```

14)mysql> create table 22CS132_orderitem(orderID int,MenuitemID int,Quantity int,Subtotal int);

```

mysql> create table 22CS132_orderitem(orderID int,MenuitemID int,Quantity int,Subtotal int);
Query OK, 0 rows affected (0.02 sec)

```

Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO 22CS132_OrderItem (orderID, MenuitemID, Quantity, Subtotal)

```

-> VALUES (1, 101, 2, 20.00);

```

```

mysql> INSERT INTO 22CS132_OrderItem (orderID, MenuitemID, Quantity, Subtotal)
->     VALUES (1, 101, 2, 20.00);
Query OK, 1 row affected (0.01 sec)

```

Query OK, 0 rows affected (0.01 sec)

15)mysql> ALTER TABLE 22CS132_OrderItem

-> ADD CONSTRAINT CK_22CS132_OrderItem_Quantity CHECK (Quantity >= 1);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> ALTER TABLE 22CS132_OrderItem
->      ADD CONSTRAINT CK_22CS132_OrderItem_Quantity CHECK (Quantity >= 1);
Query OK, 1 row affected (0.05 sec)
Records: 1 Duplicates: 0 Warnings: 0
```