

## CODE FOR OUR DATABASE CREATION

```
mysql -u root -p
```

```
mysql> CREATE DATABASE team32;
```

```
mysql> USE team32;
```

```
mysql> SHOW TABLES;
```

Empty set (0.00 sec)

```
mysql> CREATE TABLE STAFF (  
->     StaffID INT PRIMARY KEY,  
->     Salary INT CHECK (Salary > 0),  
->     SuperStaffID INT,  
->     CanID VARCHAR(32) REFERENCES CANTEEN(CanteenID),  
->     Aadhar INT CHECK (LENGTH(Aadhar) = 12),  
->     FOREIGN KEY (SuperStaffID) REFERENCES STAFF(StaffID)  
-> );
```

```
mysql> CREATE TABLE CANTEEN (  
->     CanteenID VARCHAR(32) PRIMARY KEY,  
->     OpeningYear DATE,  
->     Location VARCHAR(64),  
->     Mon VARCHAR(32),  
->     Tue VARCHAR(32),  
->     Wed VARCHAR(32),  
->     Thu VARCHAR(32),  
->     Fri VARCHAR(32),  
->     Sat VARCHAR(32),  
->     Sun VARCHAR(32)  
-> );
```

```
mysql> CREATE TABLE ORDER_TABLE (  
OrderID INT PRIMARY KEY,  
ODate DATE,  
OStatus INT,  
TotalPrice INT CHECK (TotalPrice >= 0),  
CustomerID INT REFERENCES CUSTOMER(CustomerID),  
CanteenPlaced VARCHAR(32) REFERENCES CANTEEN(CanteenID)  
);
```

```
mysql> CREATE TABLE CUSTOMER (  
CustomerID INT PRIMARY KEY,  
Cname VARCHAR(64),  
CDOB DATE,  
CustomerRole VARCHAR(32)  
);
```

```
mysql> CREATE TABLE PAYMENT (
->     PaymentID INT PRIMARY KEY,
->     CustomerID INT REFERENCES CUSTOMER(CustomerID),
->     PMethod VARCHAR(32),
->     PAmount INT CHECK (PAmount >= 0),
->     PDate DATE,
->     Canteen_paid VARCHAR(32) REFERENCES CANTEEN(CanteenID),
->     Order_paid INT REFERENCES ORDER_TABLE(OrderID),
->     User_paying INT REFERENCES CUSTOMER(CustomerID)
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> CREATE TABLE MENU_ITEMS (
ItemName VARCHAR(32),
Quantity VARCHAR(32),
Price INT CHECK (Price >= 0),
UnitsSold INT CHECK (UnitsSold >= 0),
CanteenID VARCHAR(32) REFERENCES CANTEEN(CanteenID),
PRIMARY KEY (ItemName, Quantity, CanteenID)
);
```

```
mysql> CREATE TABLE FEEDBACK (
->     CanteenID VARCHAR(32) REFERENCES CANTEEN(CanteenID),
->     SerialNumber INT,
->     Rating DECIMAL CHECK (Rating >= 0 AND Rating <= 10),
->     Comments VARCHAR(64),
->     CustomerID INT REFERENCES CUSTOMER(CustomerID),
->     PRIMARY KEY (CanteenID, SerialNumber, CustomerID)
-> );
```

Query OK, 0 rows affected (0.06 sec)

```
mysql> CREATE TABLE PHONE_NUMBER (
->     PhoneNo INT UNIQUE CHECK (LENGTH(PhoneNo) = 10),
->     CustomerID INT REFERENCES CUSTOMER(CustomerID),
->     PRIMARY KEY (PhoneNo, CustomerID)
-> );
```

Query OK, 0 rows affected (0.07 sec)

```
mysql> CREATE TABLE CONTAINS (
->     OrderID INT REFERENCES ORDER_TABLE(OrderID),
->     Iname VARCHAR(32) REFERENCES MENU_ITEMS(ItemName),
->     ItemQuantity VARCHAR(32) REFERENCES MENU_ITEMS(Quantity),
->     PRIMARY KEY (OrderID, Iname, ItemQuantity)
-> );
```

```
mysql> CREATE TABLE SERVES (
->     CanteenID VARCHAR(32) REFERENCES CANTEEN(CanteenID),
```

```

-> OrderID INT REFERENCES ORDER_TABLE(OrderID),
->     CustomerID INT REFERENCES ORDER_TABLE(CustomerID),
->     PRIMARY KEY (CanteenID, OrderID, CustomerID)
-> );

```

```

mysql> CREATE TABLE PROVIDES (
    CustomerID INT REFERENCES CUSTOMER(CustomerID),
    CanteenID VARCHAR(32) REFERENCES CANTEEN(CanteenID),
    S_No INT,
    PRIMARY KEY (CustomerID, CanteenID, S_No)
);

```

```

mysql> CREATE TABLE STAFF_DETAILS (
    ->     Aadhar INT PRIMARY KEY,
    ->     Name VARCHAR(64),
    ->     Gender VARCHAR(32),
    ->     DOB DATE
    -> );

```

---

```

mysql> SHOW TABLES;

```

```

+-----+
| Tables_in_team32 |
+-----+
| CANTEEN           |
| CONTAINS          |
| CUSTOMER          |
| FEEDBACK          |
| INGREDIENTS       |
| MENU_ITEMS        |
| ORDER_TABLE       |
| PAYMENT           |
| PHONE_NUMBER      |
| PROVIDES          |
| SERVES            |
| STAFF             |
| STAFF_DETAILS     |
+-----+

```

```

13 rows in set (0.00 sec)

```

```

mysql> DESCRIBE CANTEEN;

```

```

+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CanteenID  | varchar(32) | NO   | PRI | NULL    |       |
| OpeningYear | date       | YES  |     | NULL    |       |
| Location    | varchar(64) | YES  |     | NULL    |       |
| Mon        | varchar(32) | YES  |     | NULL    |       |
| Tue        | varchar(32) | YES  |     | NULL    |       |
| Wed        | varchar(32) | YES  |     | NULL    |       |
| Thu        | varchar(32) | YES  |     | NULL    |       |

```

Fri	varchar(32)	YES		NULL	
Sat	varchar(32)	YES		NULL	
Sun	varchar(32)	YES		NULL	

10 rows in set (0.01 sec)

```
mysql> DESCRIBE ORDER_TABLE;
```

Field	Type	Null	Key	Default	Extra
OrderID	int	NO	PRI	NULL	
ODate	date	YES		NULL	
OStatus	int	YES		NULL	
TotalPrice	int	YES		NULL	
CustomerID	int	YES		NULL	
CanteenPlaced	varchar(32)	YES		NULL	

6 rows in set (0.00 sec)

```
mysql> DESCRIBE CUSTOMER;
```

Field	Type	Null	Key	Default	Extra
CustomerID	int	NO	PRI	NULL	
Cname	varchar(64)	YES		NULL	
CDOB	date	YES		NULL	
CustomerRole	varchar(32)	YES		NULL	

4 rows in set (0.00 sec)

```
mysql> DESCRIBE PAYMENT;
```

Field	Type	Null	Key	Default	Extra
PaymentID	int	NO	PRI	NULL	
CustomerID	int	YES		NULL	
PMethod	varchar(32)	YES		NULL	
PAmount	int	YES		NULL	
PDate	date	YES		NULL	
Canteen_paid	varchar(32)	YES		NULL	
Order_paid	int	YES		NULL	
User_paying	int	YES		NULL	

8 rows in set (0.00 sec)

```
mysql> DESCRIBE MENU_ITEMS;
```

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

ItemName	varchar(32)	NO	PRI	NULL		
Quantity	varchar(32)	NO	PRI	NULL		
Price	int	YES		NULL		
UnitsSold	int	YES		NULL		
CanteenID	varchar(32)	NO	PRI	NULL		

+-----+-----+-----+-----+-----+-----+

5 rows in **set** (0.00 sec)

mysql> **DESCRIBE** FEEDBACK;

Field	Type	Null	Key	Default	Extra	
CanteenID	varchar(32)	NO	PRI	NULL		
SerialNumber	int	NO	PRI	NULL		
Rating	decimal(10,0)	YES		NULL		
Comments	varchar(64)	YES		NULL		
CustomerID	int	NO	PRI	NULL		

+-----+-----+-----+-----+-----+-----+

5 rows in **set** (0.01 sec)

mysql> **DESCRIBE** INGREDIENTS;

Field	Type	Null	Key	Default	Extra	
Ingredients	varchar(64)	NO	PRI	NULL		
ItemQuantity	varchar(32)	NO	PRI	NULL		
Iname	varchar(32)	NO	PRI	NULL		

+-----+-----+-----+-----+-----+-----+

3 rows in **set** (0.00 sec)

mysql> **DESCRIBE** PHONE\_NUMBER;

Field	Type	Null	Key	Default	Extra	
PhoneNo	int	NO	PRI	NULL		
CustomerID	int	NO	PRI	NULL		

+-----+-----+-----+-----+-----+-----+

2 rows in **set** (0.00 sec)

mysql> **DESCRIBE** CONTAINS;

Field	Type	Null	Key	Default	Extra	
OrderID	int	NO	PRI	NULL		
Iname	varchar(32)	NO	PRI	NULL		
ItemQuantity	varchar(32)	NO	PRI	NULL		

+-----+-----+-----+-----+-----+-----+

3 rows in set (0.01 sec)

mysql> DESCRIBE SERVES;

Field	Type	Null	Key	Default	Extra
CanteenID	varchar(32)	NO	PRI	NULL	
OrderID	int	NO	PRI	NULL	
CustomerID	int	NO	PRI	NULL	

mysql> DESCRIBE PROVIDES;

Field	Type	Null	Key	Default	Extra
CustomerID	int	NO	PRI	NULL	
CanteenID	varchar(32)	NO	PRI	NULL	
S_No	int	NO	PRI	NULL	

3 rows in set (0.00 sec)

mysql> DESCRIBE STAFF\_DETAILS;

Field	Type	Null	Key	Default	Extra
Aadhar	int	NO	PRI	NULL	
Name	varchar(64)	YES		NULL	
Gender	varchar(32)	YES		NULL	
DOB	date	YES		NULL	

4 rows in set (0.00 sec)