

DBMS MINI PROJECT - CREATING TABLES

1. CREATING THE REQUIRED DATABASE

```
MySQL localhost:33060+ ssl temp SQL > CREATE DATABASE BAKERY;
Query OK, 1 row affected (0.0046 sec)
MySQL localhost:33060+ ssl temp SQL > USE BAKERY;
Default schema set to `BAKERY`.
Fetching table and column names from `bakery` for auto-completion... Press ^C to stop.
```

2. CREATING THE REQUIRED RELATIONS

→ CUSTOMER

```
MySQL localhost:33060+ ssl bakery SQL > CREATE TABLE CUSTOMERS(
    -> cust_id BIGINT PRIMARY KEY AUTO_INCREMENT,
    -> name VARCHAR(10) NOT NULL,
    -> email VARCHAR(10) UNIQUE NOT NULL,
    -> phone_no BIGINT UNIQUE NOT NULL,
    -> password VARCHAR(50));
Query OK, 0 rows affected (0.0446 sec)
MySQL localhost:33060+ ssl bakery SQL > DESC CUSTOMERS;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cust_id | bigint | NO | PRI | NULL | auto_increment |
| name | varchar(10) | NO | | NULL | |
| email | varchar(10) | NO | UNI | NULL | |
| phone_no | bigint | NO | UNI | NULL | |
| password | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.0033 sec)
```

This table will be populated as users sign up on the website

→ EMPLOYEE

```
MySQL localhost:33060+ ssl bakery SQL > CREATE TABLE EMPLOYEE(
    -> emp_id BIGINT PRIMARY KEY AUTO_INCREMENT,
    -> name VARCHAR(10) NOT NULL,
    -> phone_no BIGINT UNIQUE NOT NULL,
    -> email VARCHAR(50) UNIQUE NOT NULL,
    -> password VARCHAR(50),
    -> DOB DATE NOT NULL);

Query OK, 0 rows affected (0.0323 sec)

MySQL localhost:33060+ ssl bakery SQL > DESC EMPLOYEE;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| emp_id | bigint    | NO   | PRI | NULL    | auto_increment |
| name   | varchar(10) | NO   |     | NULL    |              |
| phone_no | bigint    | NO   | UNI | NULL    |              |
| email  | varchar(50) | NO   | UNI | NULL    |              |
| password | varchar(50) | YES  |     | NULL    |              |
| DOB    | date      | NO   |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.0033 sec)
```

VALUES INSERTED INTO TABLE

```
MySQL localhost:33060+ ssl bakery SQL > SELECT * FROM EMPLOYEE;
+-----+-----+-----+-----+-----+-----+
| emp_id | name      | phone_no | email          | password | DOB        |
+-----+-----+-----+-----+-----+-----+
| 1000   | Ria Rajesh | 6284647597 | ria@gmail.com | 12345    | 1997-03-02 |
| 1001   | Sharath B  | 9279562946 | shab@gmail.com | 12345    | 1999-04-08 |
| 1002   | Vinay Ravi | 9284629820 | vravi@gmail.com | 12345    | 1991-12-18 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.0012 sec)
```

→ PRODUCTS

```
MySQL localhost:33060+ ssl bakery SQL > CREATE TABLE PRODUCTS(  
    -> p_id BIGINT PRIMARY KEY AUTO_INCREMENT,  
    -> type VARCHAR(10) NOT NULL,  
    -> flavor VARCHAR(15) NOT NULL,  
    -> price DECIMAL(7,3) NOT NULL,  
    -> status VARCHAR(10));  
Query OK, 0 rows affected (0.0241 sec)  
MySQL localhost:33060+ ssl bakery SQL > DESC PRODUCTS;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| p_id  | bigint        | NO   | PRI | NULL    | auto_increment |  
| type  | varchar(10)   | NO   |     | NULL    |                |  
| flavor | varchar(15)   | NO   |     | NULL    |                |  
| price | decimal(7,3)  | NO   |     | NULL    |                |  
| status | varchar(10)   | YES  |     | NULL    |                |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.0110 sec)
```

INSERTING VALUES INTO THE TABLE

```
MySQL localhost:33060+ ssl bakery SQL > SELECT * FROM PRODUCTS;  
+-----+-----+-----+-----+-----+  
| p_id | type      | flavor    | price  | status    |  
+-----+-----+-----+-----+-----+  
| 3000 | Cake      | Chocolate | 89.456 | Available |  
| 3001 | Cupake    | Vanilla   | 50.478 | Available |  
| 3002 | Croissant | Almond    | 200.735 | No Stock  |  
+-----+-----+-----+-----+-----+  
3 rows in set (0.0012 sec)
```

→ ORDER LIST

```
MySQL localhost:33060+ ssl bakery SQL > CREATE TABLE ORDER_LIST(
    -> o_id BIGINT PRIMARY KEY AUTO_INCREMENT,
    -> cid BIGINT NOT NULL,
    -> no_of_items BIGINT NOT NULL,
    -> eid BIGINT,
    -> net_total DECIMAL(8,4) NOT NULL,
    -> DOO DATE NOT NULL);
Query OK, 0 rows affected (0.0413 sec)
```

Adding foreign key constraint to 'CID' and 'EID'

```
MySQL localhost:33060+ ssl bakery SQL > ALTER TABLE ORDER_LIST ADD CONSTRAINT fk_cust FOREIGN KEY (cid) REFERENCES CUSTOMERS (cust_id);
Query OK, 0 rows affected (0.1337 sec)
```

Records: 0 Duplicates: 0 Warnings: 0

```
MySQL localhost:33060+ ssl bakery SQL > DESC ORDER_LIST;
```

```
MySQL localhost:33060+ ssl bakery SQL > ALTER TABLE ORDER_LIST ADD CONSTRAINT fk_emp FOREIGN KEY (eid) REFERENCES EMPLOYEE(emp_id);
Query OK, 0 rows affected (0.1301 sec)
```

Records: 0 Duplicates: 0 Warnings: 0

```
MySQL localhost:33060+ ssl bakery SQL > DESC ORDER_LIST;
```

```
MySQL localhost:33060+ ssl bakery SQL > DESC ORDER_LIST;
```

Field	Type	Null	Key	Default	Extra
o_id	bigint	NO	PRI	NULL	auto_increment
cid	bigint	NO	MUL	NULL	
no_of_items	bigint	NO		NULL	
eid	bigint	YES		NULL	
net_total	decimal(8,4)	NO		NULL	
DOO	date	NO		NULL	

6 rows in set (0.0046 sec)

→ ORDER DESP

```
MySQL localhost:33060+ ssl bakery SQL > CREATE TABLE ORDER_DESP(
    -> oid BIGINT,
    -> pid BIGINT,
    -> price_per_qty DECIMAL(7,3),
    -> total_amt DECIMAL(8,4));
Query OK, 0 rows affected (0.0328 sec)
```

```
MySQL localhost:33060+ ssl bakery SQL > ALTER TABLE ORDER_DESP ADD CONSTRAINT fk_order FOREIGN KEY (oid) REFERENCES ORDER_LIST(o_id);
Query OK, 0 rows affected (0.0747 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
MySQL localhost:33060+ ssl bakery SQL > ALTER TABLE ORDER_DESP ADD CONSTRAINT fk_prod FOREIGN KEY (pid) REFERENCES PRODUCTS(p_id);
Query OK, 0 rows affected (0.0680 sec)
```

```
MySQL localhost:33060+ ssl bakery SQL > DESC ORDER_DESP;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| oid        | bigint        | YES  | MUL | NULL    |       |
| pid        | bigint        | YES  | MUL | NULL    |       |
| price_per_qty | decimal(7,3)  | YES  |     | NULL    |       |
| total_amt  | decimal(8,4)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.0049 sec)
```

This above two tables will be populated as users choose products on the website