

# ***DATABASE***

## **Creating Database:**

```
mysql> CREATE DATABASE ELECTRIC;  
Query OK, 1 row affected (3.63 sec)  
  
mysql> USE ELECTRIC;  
Database changed  
mysql> _
```

## **Creating Tables:**

```
mysql> CREATE TABLE ID (CONSUMER_ID VARCHAR(20) PRIMARY KEY, NAME VARCHAR(20));  
Query OK, 0 rows affected (7.80 sec)  
  
mysql> CREATE TABLE DETAILS (CONSUMER_ID VARCHAR(20) REFERENCES ID(CONSUMER_ID), ADDRESS VARCHAR(20), MOB_NO VARCHAR(15));  
Query OK, 0 rows affected (0.88 sec)
```

```
mysql> CREATE TABLE BILL (CONSUMER_ID VARCHAR(20) REFERENCES ID(CONSUMER_ID), UNIT_3M INTEGER, UNIT_2M INTEGER, UNIT_1M INTEGER, PRICE_PRESENT INTEGER);  
Query OK, 0 rows affected (0.94 sec)  
  
mysql> CREATE TABLE APPLICATION (CONSUMER_ID VARCHAR(20) REFERENCES ID(CONSUMER_ID), APPLICATION VARCHAR(30), PRICE_PAID INTEGER);  
Query OK, 0 rows affected (0.61 sec)
```

## Inserting Values into Table ID:

```
mysql> INSERT INTO ID VALUES(001,"NEEL");
Query OK, 1 row affected (0.69 sec)

mysql> INSERT INTO ID VALUES("A02","ABIN");
Query OK, 1 row affected (0.15 sec)

mysql> INSERT INTO ID VALUES("A03","ALICE");
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO ID VALUES("A04","KENNY");
Query OK, 1 row affected (0.08 sec)

mysql> SELECT * FROM ID;
+-----+-----+
| CONSUMER_ID | NAME |
+-----+-----+
| 1           | NEEL |
| A02        | ABIN |
| A03        | ALICE|
| A04        | KENNY|
+-----+-----+
4 rows in set (0.11 sec)
```

```
+-----+-----+
| CONSUMER_ID | NAME |
+-----+-----+
| 1           | NEEL |
| A02        | ABIN |
| A03        | ALICE|
| A04        | KENNY|
+-----+-----+
```

## Inserting Values into Table Bill:

```
mysql> INSERT INTO BILL VALUES(001,160,143,200,0);
Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO BILL VALUES("A02",230,250,270,0);
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO BILL VALUES("A03",230,300,250,0);
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO BILL VALUES("A04",400,320,350,0);
Query OK, 1 row affected (0.05 sec)

mysql> SELECT * FROM BILL;
+-----+-----+-----+-----+-----+
| CONSUMER_ID | UNIT_3M | UNIT_2M | UNIT_1M | PRICE_PRESENT |
+-----+-----+-----+-----+-----+
| 1           | 160     | 143     | 200     | 0             |
| A02        | 230     | 250     | 270     | 0             |
| A03        | 230     | 300     | 250     | 0             |
| A04        | 400     | 320     | 350     | 0             |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
+-----+-----+-----+-----+-----+
| CONSUMER_ID | UNIT_3M | UNIT_2M | UNIT_1M | PRICE_PRESENT |
+-----+-----+-----+-----+-----+
| 1           | 160     | 143     | 200     | 0             |
| A02        | 230     | 250     | 270     | 0             |
| A03        | 230     | 300     | 250     | 0             |
| A04        | 400     | 320     | 350     | 0             |
+-----+-----+-----+-----+-----+
```

## Inserting Values into Table Details:

```
mysql> INSERT INTO DETAILS VALUES(001,"NEW TOWN","56498");
Query OK, 1 row affected (0.19 sec)

mysql> INSERT INTO DETAILS VALUES("A02","LAKE TOWN","34895");
Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO DETAILS VALUES("A03","PARK STREET","345645");
Query OK, 1 row affected (0.28 sec)

mysql> INSERT INTO DETAILS VALUES("A04","KALIGHAT","343108");
Query OK, 1 row affected (0.31 sec)

mysql> SELECT * FROM DETAILS;
```

CONSUMER_ID	ADDRESS	MOB_NO
1	NEW TOWN	56498
A02	LAKE TOWN	34895
A03	PARK STREET	345645
A04	KALIGHAT	343108

4 rows in set (0.00 sec)

```
+-----+-----+-----+
| MOB2 | IN SET | (0'00 sec) |
|-----+-----+-----+
| MOB1 | KAT ICHYL | 343108 |
| MOB2 | WYBE ZUREEL | 342812 |
| MOB3 | CATE JOW | 342812 |
| MOB4 | CATE JOW | 342812 |
+-----+-----+-----+
```