

CODE:

ca Select Command Prompt - mysql -u root -p -h 127.0.0.1

```
MariaDB [practicals]> CREATE table Product_dw
-> ( prod_id int PRIMARY KEY,
-> Prod_name varchar(60) NOT NULL,
-> Prod_category varchar(255) NOT NULL,
-> Brand_name varchar(255) NOT NULL,
-> Suppl_name varchar(255) NOT NULL,
-> Prod_price BIGINT );
Query OK, 0 rows affected (0.073 sec)
```

```
MariaDB [practicals]> CREATE table Time_dw
-> ( time_id int PRIMARY KEY,
-> day DATE NOT NULL, month
-> varchar(255) NOT NULL, qt
-> varchar(255) NOT NULL, yr
-> varchar(255) NOT NULL);
Query OK, 0 rows affected (0.040 sec)
```

```
MariaDB [practicals]> CREATE table Location_dw
-> ( loc_id int PRIMARY KEY,
-> street varchar(60) NOT NULL,
-> city varchar(255) NOT NULL,
-> state varchar(255) NOT NULL,
-> country varchar(255) NOT NULL );
Query OK, 0 rows affected (0.037 sec)
```

```
MariaDB [practicals]> CREATE table Fact_sales
-> ( prod_id int REFERENCES Product_dw(prod_id),
-> time_id int REFERENCES Time_dw(time_id),
-> loc_id int REFERENCES Location_dw(loc_id),
-> number_of_unit_sold int NOT NULL,
-> Total_sales int NOT NULL
-> );
Query OK, 0 rows affected (0.035 sec)
```

```
MariaDB [practicals]> INSERT INTO
-> PRODUCT_DW(Prod_id,Prod_name,Prod_category,Brand_name,Suppl_name,Prod_price)
-> VALUES(1,'Rice','Grocery','Dawat','Ramesh',140);
Query OK, 1 row affected (0.020 sec)
```

```
MariaDB [practicals]> INSERT INTO PRODUCT_DW(prod_id,Prod_name,Prod_category,Brand_name,
-> Suppl_name, Prod_price)
-> VALUES (2,'Sugar','Grocery','Dawat','Ramesh',50 );
Query OK, 1 row affected (0.013 sec)
```

```

MariaDB [practicals]> INSERT INTO PRODUCT_DW(prod_id,Prod_name,Prod_category,Brand_name,
-> Suppl_name, Prod_price)
-> VALUES (3,'Kurta','Cloth','Max','Lila',500 );
Query OK, 1 row affected (0.012 sec)

MariaDB [practicals]> INSERT INTO PRODUCT_DW(prod_id,Prod_name,Prod_category,Brand_name,
-> Suppl_name, Prod_price)
-> VALUES (4,'Jacket','Cloth','Max','Lila',700 );
Query OK, 1 row affected (0.012 sec)

MariaDB [practicals]> INSERT INTO Time_dw(time_id,day, month,qt,yr)
-> VALUES (101, DATE '2021-1-17', 'January', 'Q1','2021');
Query OK, 1 row affected (0.022 sec)

MariaDB [practicals]> INSERT INTO Time_dw(time_id,day, month,qt,yr)
-> VALUES (101, DATE '2021-1-17', 'January', 'Q1','2021');
ERROR 1062 (23000): Duplicate entry '101' for key 'PRIMARY'
MariaDB [practicals]> INSERT INTO Time_dw(time_id, day, month,qt,yr)
-> VALUES (103, DATE '2021-5-21', 'May', 'Q2','2021');
Query OK, 1 row affected (0.012 sec)

MariaDB [practicals]> INSERT INTO Time_dw (time_id, day, month,qt,yr)
-> VALUES (104, DATE '2021-6-26', 'June', 'Q2','2021');
Query OK, 1 row affected (0.012 sec)

MariaDB [practicals]> INSERT INTO Location_dw(loc_id,street,city,state,country)
-> VALUES (201,'ML ROAD','MUMBAI','MAHARASHTRA','INDIA');
Query OK, 1 row affected (0.018 sec)

MariaDB [practicals]> INSERT INTO Location_dw(loc_id,street,city,state,country);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that correspond

MariaDB [practicals]> VALUES (202,'AI ROAD','MUMBAI','MAHARASHTRA','INDIA');
+-----+-----+-----+-----+
| 202 | AI ROAD | MUMBAI | MAHARASHTRA | INDIA |
+-----+-----+-----+-----+
| 202 | AI ROAD | MUMBAI | MAHARASHTRA | INDIA |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [practicals]> INSERT INTO Location_dw(loc_id,street,city,state,country)
-> VALUES (203,'BI ROAD','KOLKATA','WEST BENGAL','INDIA');
Query OK, 1 row affected (0.013 sec)

```

```
MariaDB [practicals]> INSERT INTO Location_dw(loc_id,street,city,state,country)
-> VALUES (204,'DB ROAD','KOLKATA','WEST BENGAL','INDIA');
Query OK, 1 row affected (0.011 sec)

MariaDB [practicals]> INSERT INTO
-> fact_sales(prod_id,time_id,loc_id,number_of_unit_sold>Total_sales)
-> VALUES (1,101,201,400,80000);
Query OK, 1 row affected (0.017 sec)

MariaDB [practicals]> INSERT INTO
-> fact_sales(prod_id,time_id,loc_id,number_of_unit_sold>Total_sales)
-> VALUES (2,102,201,400,90000);
Query OK, 1 row affected (0.013 sec)

MariaDB [practicals]> INSERT INTO
-> fact_sales(prod_id,time_id,loc_id,number_of_unit_sold>Total_sales)
-> VALUES (3,103,201,400,70000);
Query OK, 1 row affected (0.011 sec)

MariaDB [practicals]> INSERT INTO
-> fact_sales(prod_id,time_id,loc_id,number_of_unit_sold>Total_sales)
-> VALUES (4,104,201,400,90000);
Query OK, 1 row affected (0.012 sec)

MariaDB [practicals]> INSERT INTO Location_dw(loc_id,street,city,state,country)
-> VALUES (202,'AI ROAD','MUMBAI','MAHARASHTRA','INDIA');
Query OK, 1 row affected (0.002 sec)
```

OUTPUT:

```
MariaDB [practicals]> select * from fact_sales;
```

prod_id	time_id	loc_id	number_of_unit_sold	Total_sales
1	101	201	400	80000
2	102	201	400	90000
3	103	201	400	70000
4	104	201	400	90000

```
4 rows in set (0.001 sec)
```

```
MariaDB [practicals]> select * from location_dw;
```

loc_id	street	city	state	country
201	ML ROAD	MUMBAI	MAHARASHTRA	INDIA
202	AI ROAD	MUMBAI	MAHARASHTRA	INDIA
203	BI ROAD	KOLKATA	WEST BENGAL	INDIA
204	DB ROAD	KOLKATA	WEST BENGAL	INDIA

```
4 rows in set (0.001 sec)
```

```
MariaDB [practicals]> select * from product_dw;
```

prod_id	Prod_name	Prod_category	Brand_name	Suppl_name	Prod_price
1	Rice	Grocery	Dawat	Ramesh	140
2	Sugar	Grocery	Dawat	Ramesh	50
3	Kurta	Cloth	Max	Lila	500
4	Jacket	Cloth	Max	Lila	700

```
4 rows in set (0.001 sec)
```

```
MariaDB [practicals]> select * from time_dw;
```

time_id	day	month	qt	yr
101	2021-01-17	January	Q1	2021
103	2021-05-21	May	Q2	2021
104	2021-06-26	June	Q2	2021

```
3 rows in set (0.001 sec)
```