

TASK 2 : DATA INSERTION AND HANDLING NULL VALUES

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1. USE INSERT INTO TO ADD ROWS

```
mysql> insert into User values (1, 'Aaliya', 'aaliya@gmail.com'), (2, 'Rahul', 'rahul234@gmail.com');
Query OK, 2 rows affected (0.02 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
mysql> select * from User;
+-----+-----+-----+
| user_id | u_name | email          |
+-----+-----+-----+
| 1 | Aaliya | aaliya@gmail.com |
| 2 | Rahul | rahul234@gmail.com |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> insert into Address values (1,1,'Mumbai', 'Maharashtra', 'India'), (2,2, 'Pune', 'Maharashtra', 'India');
Query OK, 2 rows affected (0.02 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
mysql> select * from Address;
+-----+-----+-----+-----+-----+
| add_id | user_id | city | state | country |
+-----+-----+-----+-----+-----+
| 1 | 1 | Mumbai | Maharashtra | India |
| 2 | 2 | Pune | Maharashtra | India |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> insert into Product_Category values (1, 'Electronics'), (2, 'Clothing');
Query OK, 2 rows affected (0.02 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
mysql> select * from Product_Category;
+-----+-----+
| cat_id | c_name |
+-----+-----+
| 1 | Electronics |
| 2 | Clothing |
+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> insert into Product values (1, 'SmartPhone', 19999.00, '5G Android Smartphone', 1), (2, 'T-Shirt', 499.00, '100% Cotton, Size M', 2);
Query OK, 2 rows affected (0.03 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
mysql> select * from Product;
```

prod_id	p_name	price	descript	cat_id
1	SmartPhone	19999.00	5G Android Smartphone	1
2	T-Shirt	499.00	100% Cotton, Size M	2

2 rows in set (0.00 sec)

```
mysql> insert into Cart values (1,1), (2,2);
```

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> select * from Cart;
```

cart_id	user_id
1	1
2	2

2 rows in set (0.00 sec)

```
mysql> insert into Orders values(101, 1, 20498.00, '2025-06-22'), (102, 2, 499.00, '2025-06-23');
```

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> select * from Orders;
```

order_no	user_id	order_amount	order_date
101	1	20498.00	2025-06-22
102	2	499.00	2025-06-23

2 rows in set (0.00 sec)

```
mysql> insert into Orders_Contains_Product values (101, 1), (101, 2), (102, 2);
```

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> select * from Orders_Contains_Product;
```

order_no	prod_id
101	1
101	2
102	2

3 rows in set (0.00 sec)

```
mysql> insert into Payment values (1001, 'Credit Card', 20498.00, 1), (1002, 'UPI', 499.00, 2);
```

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> select * from Payment;
```

pay_id	methods	amount	user_id
1001	Credit Card	20498.00	1
1002	UPI	499.00	2

2 rows in set (0.00 sec)

```
mysql> insert into Tracking_Details values (5001, 101, 'Shipped'), (5002, 102, 'Processing');
```

Query OK, 2 rows affected (0.03 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> select * from Tracking_Details;
```

track_id	order_no	status
5001	101	Shipped
5002	102	Processing

2 rows in set (0.00 sec)

2. HANDLE MISSING VALUES USING NULL OR DEFAULT

```
mysql> INSERT INTO User (user_id, u_name, email) VALUES (4, 'Neha', NULL);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> SELECT * FROM User;
```

user_id	u_name	email
1	Aaliya	aaliya@gmail.com
2	Rahul	rahul234@gmail.com
4	Neha	NULL

3 rows in set (0.00 sec)

```
mysql> INSERT INTO Address (add_id, user_id, city, state, country)
```

```
-> VALUES (3, 1, 'Delhi', NULL, 'India');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from Address;
```

add_id	user_id	city	state	country
1	1	Mumbai	Maharashtra	India
2	2	Pune	Maharashtra	India
3	1	Delhi	NULL	India

3 rows in set (0.00 sec)

```
mysql> INSERT INTO Product (prod_id, p_name, price, descript, cat_id)
-> VALUES (4, 'Laptop', 45999.00, NULL, 1);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from Product;
```

prod_id	p_name	price	descript	cat_id
1	SmartPhone	19999.00	5G Android Smartphone	1
2	T-Shirt	499.00	100% Cotton, Size M	2
4	Laptop	45999.00	NULL	1

3 rows in set (0.00 sec)

```
mysql> INSERT INTO Payment (pay_id, methods, amount, user_id)
-> VALUES (1003, NULL, 1500.00, 2);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from Payment;
```

pay_id	methods	amount	user_id
1001	Credit Card	20498.00	1
1002	UPI	499.00	2
1003	NULL	1500.00	2

3 rows in set (0.00 sec)

```
mysql> INSERT INTO Tracking_Details (track_id, order_no, status)
-> VALUES (5003, 101, NULL);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * From Tracking_Details;
```

track_id	order_no	status
5001	101	Shipped
5002	102	Processing
5003	101	NULL

3 rows in set (0.00 sec)

3. USE UPDATE AND DELETE WITH WHERE CONDITION

```
mysql> UPDATE User
-> SET u_name = 'Rahul Sharma'
-> WHERE user_id = 2;
Query OK, 1 row affected (0.01 sec)
```

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from User;

user_id	u_name	email
1	Aaliya	aaliya@gmail.com
2	Rahul Sharma	rahul234@gmail.com
4	Neha	NULL

3 rows in set (0.00 sec)

mysql> UPDATE Product

-> SET price = 18999.00

-> WHERE prod_id = 1;

Query OK, 0 rows affected (0.00 sec)

Rows matched: 1 Changed: 0 Warnings: 0

mysql> select * From Product;

prod_id	p_name	price	descript	cat_id
1	SmartPhone	18999.00	5G Android Smartphone	1
2	T-Shirt	499.00	100% Cotton, Size M	2
4	Laptop	45999.00	NULL	1

3 rows in set (0.00 sec)

mysql> UPDATE Tracking_Details

-> SET status = 'Delivered'

-> WHERE order_no = 102;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from Tracking_Details;

track_id	order_no	status
5001	101	Shipped
5002	102	Delivered
5003	101	NULL

3 rows in set (0.00 sec)

mysql> DELETE FROM User

-> WHERE user_id = 3;

Query OK, 0 rows affected (0.00 sec)

mysql> select * from User;

user_id	u_name	email
---------	--------	-------

```
+-----+-----+-----+
| 1 | Aaliya | aaliya@gmail.com |
| 2 | Rahul Sharma | rahul234@gmail.com |
| 4 | Neha | NULL |
+-----+-----+-----+
```

3 rows in set (0.00 sec)