**CASE STUDY- VALUES INSERTION:**

mysql> USE TransportManagement;

Database changed

mysql> INSERT INTO Vehicles (Model, Capacity, Type, Status) VALUES ('Tata Ace', 750.00, 'Truck', 'Available'),('Mahindra Bolero Pickup', 1200.00, 'Truck', 'On Trip'),('Ashok Leyland Dost', 1250.00, 'Truck', 'Available'),('Tata 407', 2500.00, 'Van', 'Maintenance'),('Eicher Pro 3015', 5000.00, 'Bus', 'Available'),

-> ('BharatBenz 1217', 8500.00, 'Truck', 'On Trip'),('Swaraj Mazda', 3000.00, 'Van', 'Under Repair');

Query OK, 7 rows affected (0.08 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> **select \* from vehicles;**

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

| VehicleID | Model | Capacity | Type | Status |

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

| 1 | Tata Ace | 750.00 | Truck | Available |

| 2 | Mahindra Bolero Pickup | 1200.00 | Truck | On Trip |

| 3 | Ashok Leyland Dost | 1250.00 | Truck | Available |

| 4 | Tata 407 | 2500.00 | Van | Maintenance |

| 5 | Eicher Pro 3015 | 5000.00 | Bus | Available |

| 6 | BharatBenz 1217 | 8500.00 | Truck | On Trip |

| 7 | Swaraj Mazda | 3000.00 | Van | Under Repair |

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

7 rows in set (0.00 sec)

mysql> INSERT INTO Routes (StartDestination, EndDestination, Distance) VALUES ('Chennai', 'Bangalore', 350.00),('Mumbai', 'Pune', 150.00),('Delhi', 'Agra', 233.00), ('Hyderabad', 'Visakhapatnam', 620.00),('Kolkata', 'Bhubaneswar', 440.00),('Jaipur', 'Udaipur', 395.00),('Ahmedabad', 'Surat', 265.00);

Query OK, 7 rows affected (0.06 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> **select \* from routes;**

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

| RouteID | StartDestination | EndDestination | Distance |

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

| 1 | Chennai | Bangalore | 350.00 |

| 2 | Mumbai | Pune | 150.00 |

| 3 | Delhi | Agra | 233.00 |

| 4 | Hyderabad | Visakhapatnam | 620.00 |

| 5 | Kolkata | Bhubaneswar | 440.00 |

| 6 | Jaipur | Udaipur | 395.00 |

| 7 | Ahmedabad | Surat | 265.00 |

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

7 rows in set (0.00 sec)

mysql>

mysql> INSERT INTO Trips (VehicleID, RouteID, DepartureDate, ArrivalDate, Status, TripType, MaxPassengers) VALUES

-> (1, 1, '2025-04-01 08:00:00', '2025-04-01 14:00:00', 'Scheduled', 'Freight', NULL),

-> (2, 2, '2025-04-02 09:00:00', '2025-04-02 12:00:00', 'In Progress', 'Passenger', 10),

-> (3, 3, '2025-04-03 07:00:00', '2025-04-03 10:00:00', 'Completed', 'Passenger', 15),

-> (4, 4, '2025-04-04 06:00:00', '2025-04-04 18:00:00', 'Cancelled', 'Freight', NULL),

-> (5, 5, '2025-04-05 05:30:00', '2025-04-05 15:30:00', 'Scheduled', 'Freight', NULL),

-> (6, 6, '2025-04-06 09:45:00', '2025-04-06 17:30:00', 'Completed', 'Passenger', 12),

-> (7, 7, '2025-04-07 07:15:00', '2025-04-07 12:45:00', 'Scheduled', 'Freight', NULL);

Query OK, 7 rows affected (0.06 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> **select \* from trips;**

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

| TripID | VehicleID | RouteID | DepartureDate | ArrivalDate | Status | TripType | MaxPassengers |

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

| 1 | 1 | 1 | 2025-04-01 08:00:00 | 2025-04-01 14:00:00 | Scheduled | Freight | NULL |

| 2 | 2 | 2 | 2025-04-02 09:00:00 | 2025-04-02 12:00:00 | In Progress | Passenger | 10 |

| 3 | 3 | 3 | 2025-04-03 07:00:00 | 2025-04-03 10:00:00 | Completed | Passenger | 15 |

| 4 | 4 | 4 | 2025-04-04 06:00:00 | 2025-04-04 18:00:00 | Cancelled | Freight | NULL |

| 5 | 5 | 5 | 2025-04-05 05:30:00 | 2025-04-05 15:30:00 | Scheduled | Freight | NULL |

| 6 | 6 | 6 | 2025-04-06 09:45:00 | 2025-04-06 17:30:00 | Completed | Passenger | 12 |

| 7 | 7 | 7 | 2025-04-07 07:15:00 | 2025-04-07 12:45:00 | Scheduled | Freight | NULL |

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

7 rows in set (0.00 sec)

mysql> INSERT INTO Passengers (FirstName, Gender, Age, Email, PhoneNumber) VALUES

-> ('Rajesh', 'Male', 30, 'rajesh@example.com', '9876543210'),

-> ('Priya', 'Female', 25, 'priya@example.com', '9876543211'),

-> ('Amit', 'Male', 40, 'amit@example.com', '9876543212'),

-> ('Sneha', 'Female', 28, 'sneha@example.com', '9876543213'),

-> ('Vikram', 'Male', 35, 'vikram@example.com', '9876543214'),

-> ('Kiran', 'Female', 22, 'kiran@example.com', '9876543215'),

-> ('Sunil', 'Male', 45, 'sunil@example.com', '9876543216');

Query OK, 7 rows affected (0.03 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> **select \* from passengers;**

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

| PassengerID | FirstName | Gender | Age | Email | PhoneNumber |

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

| 1 | Rajesh | Male | 30 | rajesh@example.com | 9876543210 |

| 2 | Priya | Female | 25 | priya@example.com | 9876543211 |

| 3 | Amit | Male | 40 | amit@example.com | 9876543212 |

| 4 | Sneha | Female | 28 | sneha@example.com | 9876543213 |

| 5 | Vikram | Male | 35 | vikram@example.com | 9876543214 |

| 6 | Kiran | Female | 22 | kiran@example.com | 9876543215 |

| 7 | Sunil | Male | 45 | sunil@example.com | 9876543216 |

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

7 rows in set (0.00 sec)

mysql> INSERT INTO Bookings (TripID, PassengerID, BookingDate, Status) VALUES

-> (2, 1, '2025-03-25 12:00:00', 'Confirmed'),

-> (2, 2, '2025-03-26 14:30:00', 'Confirmed'),

-> (3, 3, '2025-03-27 10:00:00', 'Completed'),

-> (3, 4, '2025-03-27 11:15:00', 'Cancelled'),

-> (3, 5, '2025-03-27 12:45:00', 'Confirmed'),

-> (6, 6, '2025-03-28 09:30:00', 'Confirmed'),

-> (6, 7, '2025-03-28 10:15:00', 'Cancelled');

Query OK, 7 rows affected (0.06 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> **select \* from Bookings;**

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

| BookingID | TripID | PassengerID | BookingDate | Status |

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

| 1 | 2 | 1 | 2025-03-25 12:00:00 | Confirmed |

| 2 | 2 | 2 | 2025-03-26 14:30:00 | Confirmed |

| 3 | 3 | 3 | 2025-03-27 10:00:00 | Completed |

| 4 | 3 | 4 | 2025-03-27 11:15:00 | Cancelled |

| 5 | 3 | 5 | 2025-03-27 12:45:00 | Confirmed |

| 6 | 6 | 6 | 2025-03-28 09:30:00 | Confirmed |

| 7 | 6 | 7 | 2025-03-28 10:15:00 | Cancelled |

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

7 rows in set (0.00 sec)