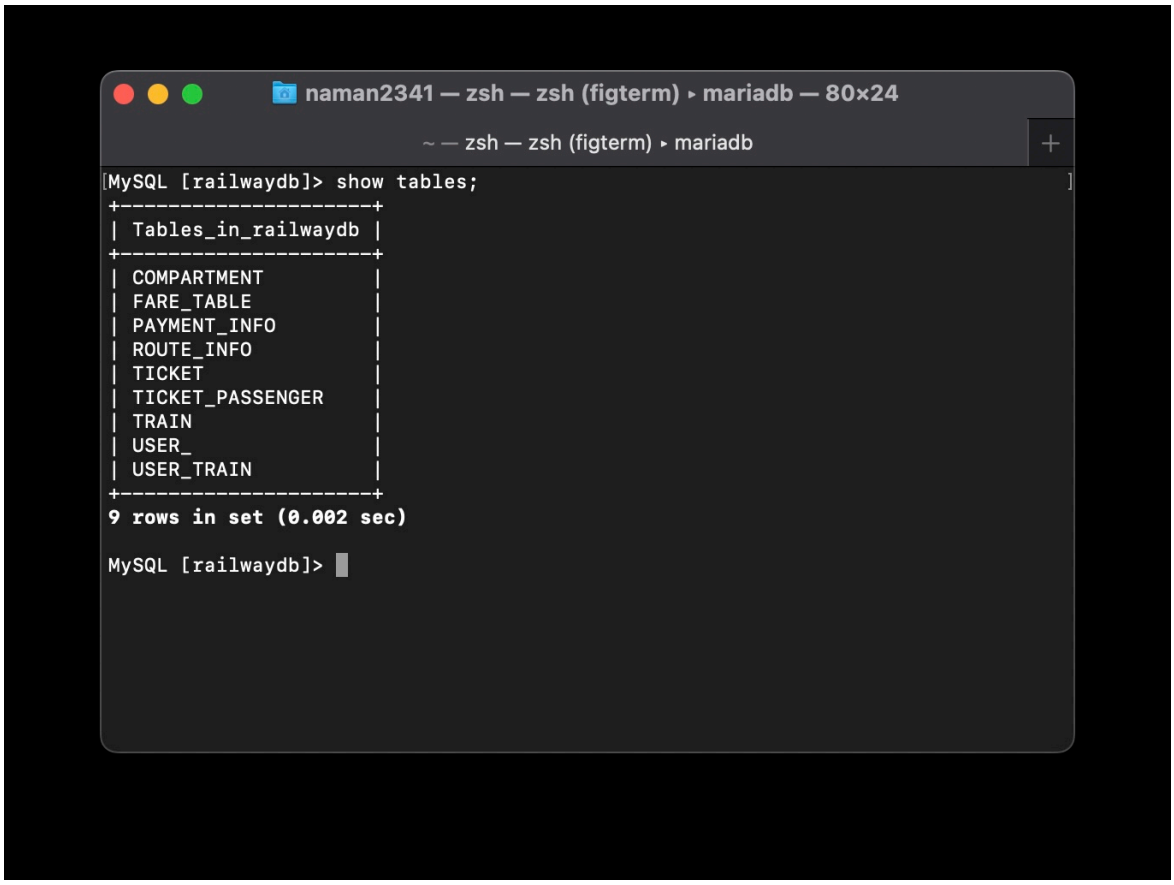
DBMS

UE20CS301

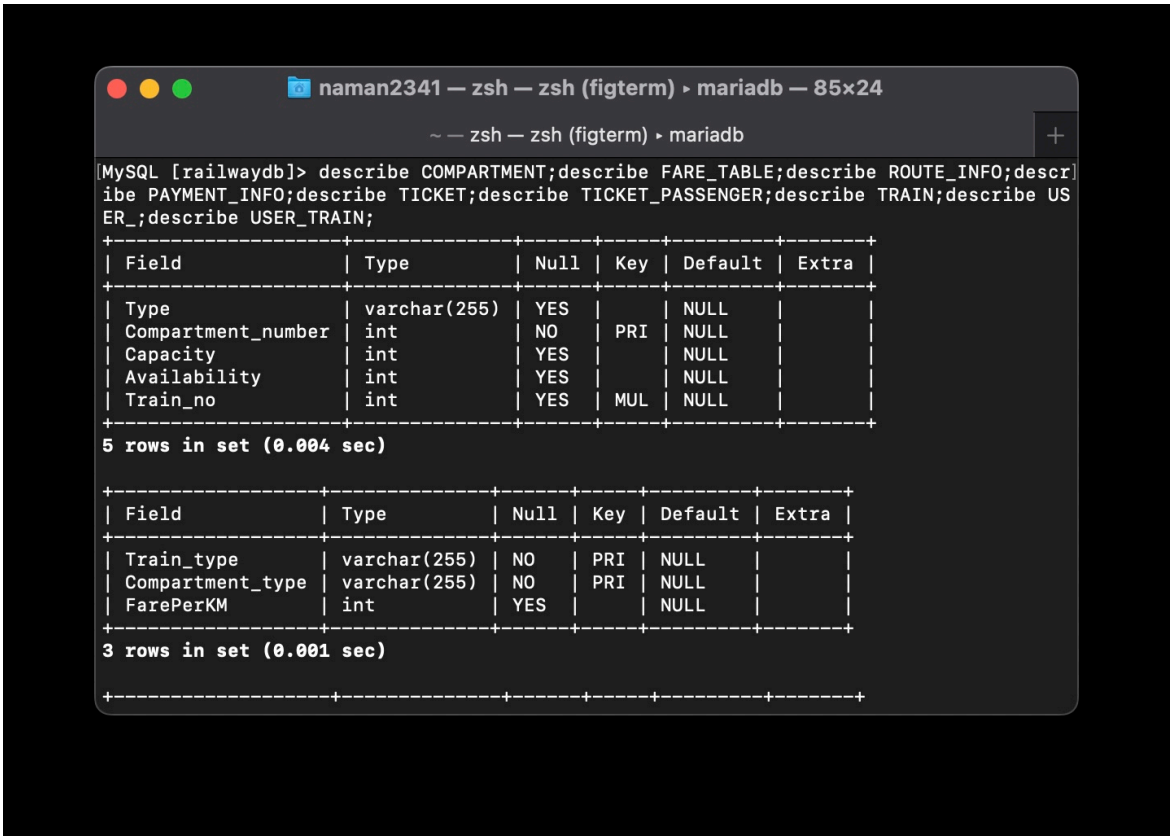
Lab 3 - DDL Commands

Assignment

1. Listing all Tables



2. Describing all Tables




```
MySQL [railwaydb]> describe COMPARTMENT;describe FARE_TABLE;describe ROUTE_INFO;descr
ibe PAYMENT_INFO;describe TICKET;describe TICKET_PASSENGER;describe TRAIN;describe US
ER_;describe USER_TRAIN;
+--------------------+--------------+------+-----+---------+-------+
| Field              | Type         | Null | Key | Default | Extra |
+--------------------+--------------+------+-----+---------+-------+
| Type               | varchar(255) | YES  |     | NULL    |       |
| Compartment_number | int          | NO   | PRI | NULL    |       |
| Capacity           | int          | YES  |     | NULL    |       |
| Availability       | int          | YES  |     | NULL    |       |
| Train_no           | int          | YES  | MUL | NULL    |       |
+--------------------+--------------+------+-----+---------+-------+
5 rows in set (0.004 sec)

+------------------+--------------+------+-----+---------+-------+
| Field            | Type         | Null | Key | Default | Extra |
+------------------+--------------+------+-----+---------+-------+
| Train_type       | varchar(255) | NO   | PRI | NULL    |       |
| Compartment_type | varchar(255) | NO   | PRI | NULL    |       |
| FarePerKM        | int          | YES  |     | NULL    |       |
+------------------+--------------+------+-----+---------+-------+
3 rows in set (0.001 sec)

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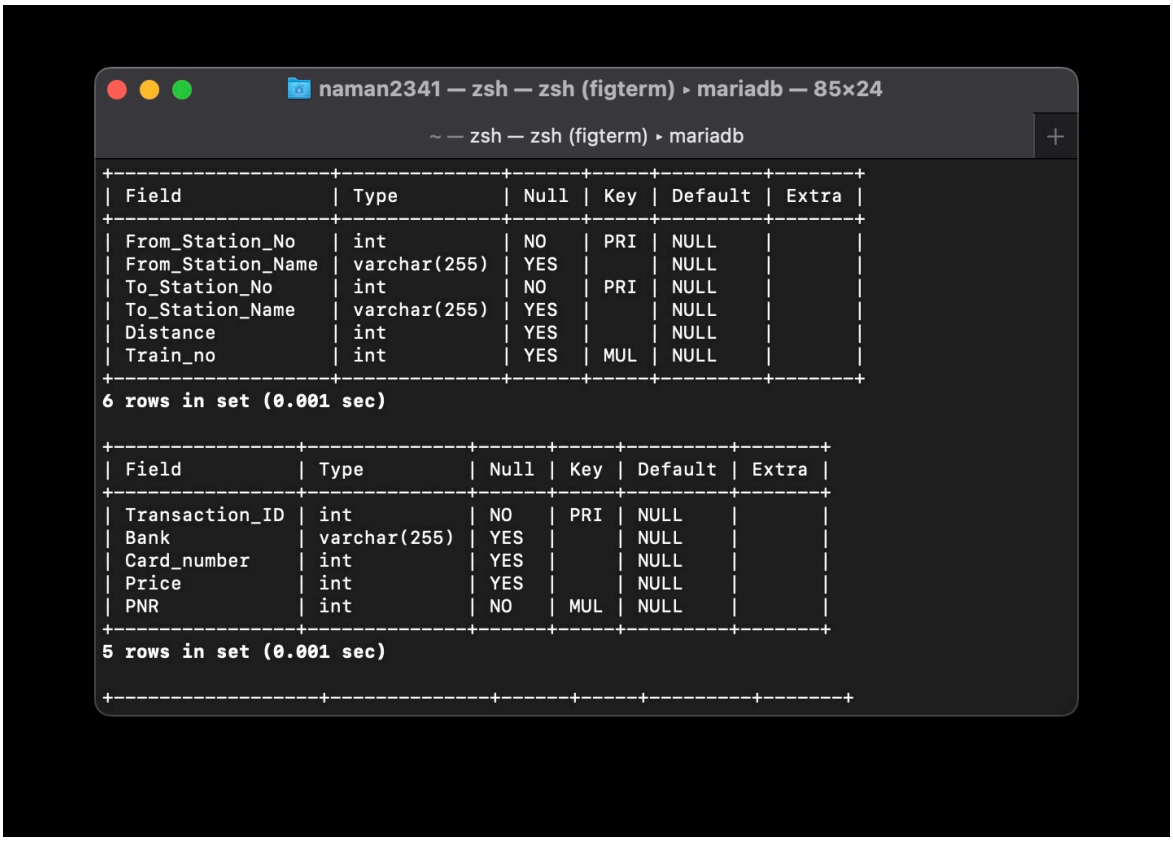


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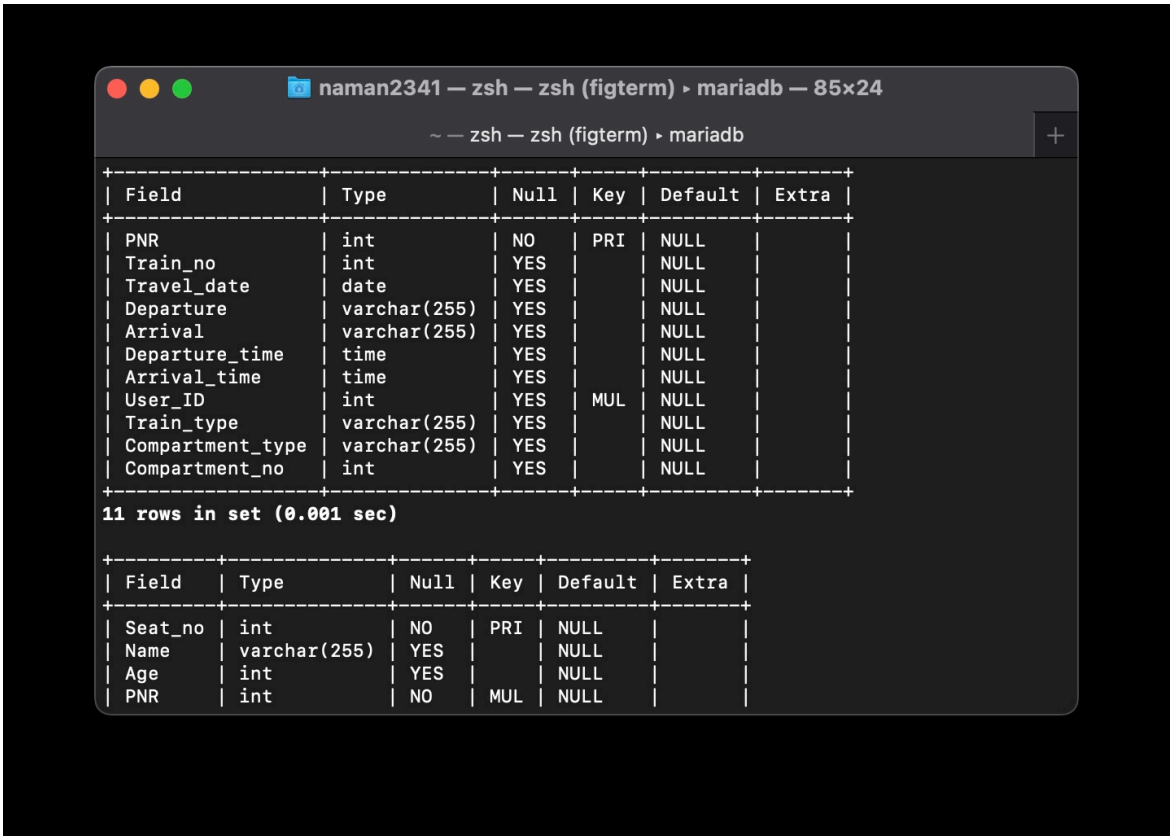
+--------------------+--------------+------+-----+---------+-------+
| Field              | Type         | Null | Key | Default | Extra |
+--------------------+--------------+------+-----+---------+-------+
| From_Station_No    | int          | NO   | PRI | NULL    |       |
| From_Station_Name  | varchar(255) | YES  |     | NULL    |       |
| To_Station_No      | int          | NO   | PRI | NULL    |       |
| To_Station_Name    | varchar(255) | YES  |     | NULL    |       |
| Distance           | int          | YES  |     | NULL    |       |
| Train_no           | int          | YES  | MUL | NULL    |       |
+--------------------+--------------+------+-----+---------+-------+
6 rows in set (0.001 sec)

+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| Transaction_ID | int          | NO   | PRI | NULL    |       |
| Bank           | varchar(255) | YES  |     | NULL    |       |
| Card_number    | int          | YES  |     | NULL    |       |
| Price          | int          | YES  |     | NULL    |       |
| PNR            | int          | NO   | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
5 rows in set (0.001 sec)

+------------------+--------------+------+-----+---------+-------+
```

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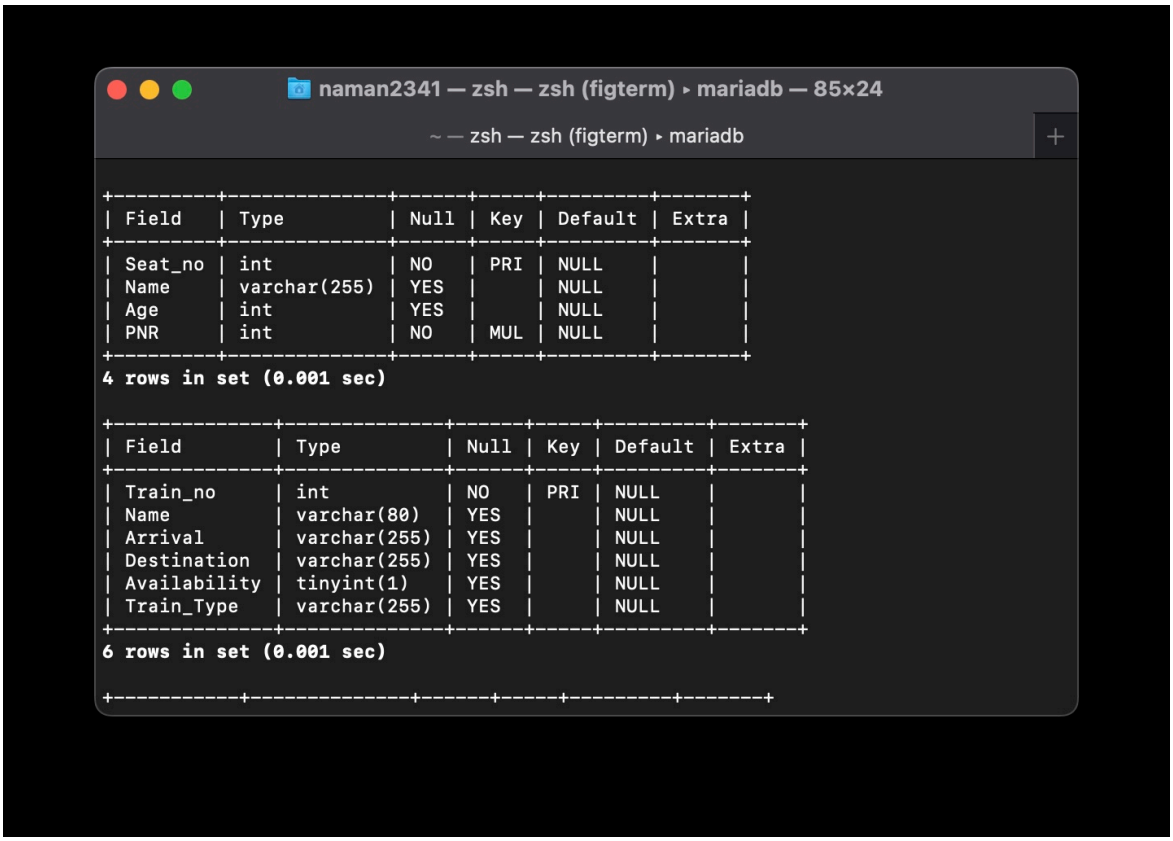
+------------------+--------------+------+-----+---------+-------+
| Field            | Type         | Null | Key | Default | Extra |
+------------------+--------------+------+-----+---------+-------+
| PNR              | int          | NO   | PRI | NULL    |       |
| Train_no         | int          | YES  |     | NULL    |       |
| Travel_date      | date         | YES  |     | NULL    |       |
| Departure        | varchar(255) | YES  |     | NULL    |       |
| Arrival          | varchar(255) | YES  |     | NULL    |       |
| Departure_time   | time         | YES  |     | NULL    |       |
| Arrival_time     | time         | YES  |     | NULL    |       |
| User_ID          | int          | YES  | MUL | NULL    |       |
| Train_type       | varchar(255) | YES  |     | NULL    |       |
| Compartment_type | varchar(255) | YES  |     | NULL    |       |
| Compartment_no   | int          | YES  |     | NULL    |       |
+------------------+--------------+------+-----+---------+-------+
11 rows in set (0.001 sec)

+---------+--------------+------+-----+---------+-------+
| Field   | Type         | Null | Key | Default | Extra |
+---------+--------------+------+-----+---------+-------+
| Seat_no | int          | NO   | PRI | NULL    |       |
| Name    | varchar(255) | YES  |     | NULL    |       |
| Age     | int          | YES  |     | NULL    |       |
| PNR     | int          | NO   | MUL | NULL    |       |
```

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+---------+--------------+------+-----+---------+-------+
| Field   | Type         | Null | Key | Default | Extra |
+---------+--------------+------+-----+---------+-------+
| Seat_no | int          | NO   | PRI | NULL    |       |
| Name    | varchar(255) | YES  |     | NULL    |       |
| Age     | int          | YES  |     | NULL    |       |
| PNR     | int          | NO   | MUL | NULL    |       |
+---------+--------------+------+-----+---------+-------+
4 rows in set (0.001 sec)

+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| Train_no     | int          | NO   | PRI | NULL    |       |
| Name         | varchar(80)  | YES  |     | NULL    |       |
| Arrival      | varchar(255) | YES  |     | NULL    |       |
| Destination  | varchar(255) | YES  |     | NULL    |       |
| Availability | tinyint(1)   | YES  |     | NULL    |       |
| Train_Type   | varchar(255) | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
6 rows in set (0.001 sec)

+-----------+-------------+------+-----+---------+-------+
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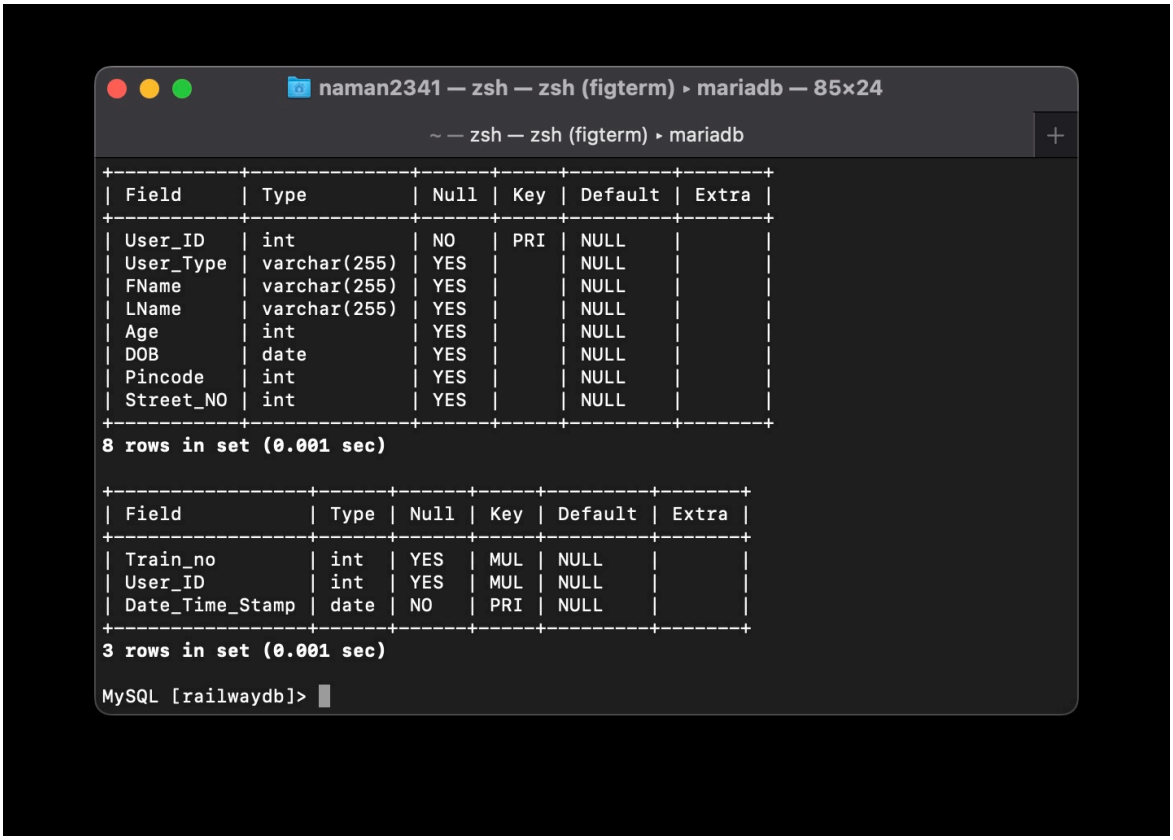
naman2341 — zsh — zsh (figterm) ▸ mariadb — 85×24
~ — zsh — zsh (figterm) ▸ mariadb
+-----------+--------------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-----------+--------------+------+-----+---------+-------+
User_ID	int	NO	PRI	NULL	
User_Type	varchar(255)	YES		NULL	
FName	varchar(255)	YES		NULL	
LName	varchar(255)	YES		NULL	
Age	int	YES		NULL	
DOB	date	YES		NULL	
Pincode	int	YES		NULL	
Street_NO	int	YES		NULL	
+-----------+--------------+------+-----+---------+-------+
8 rows in set (0.001 sec)
+-----------------+------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-----------------+------+------+-----+---------+-------+
Train_no	int	YES	MUL	NULL	
User_ID	int	YES	MUL	NULL	
Date_Time_Stamp	date	NO	PRI	NULL	
+-----------------+------+------+-----+---------+-------+
3 rows in set (0.001 sec)
MySQL [railwaydb]>