DBMS

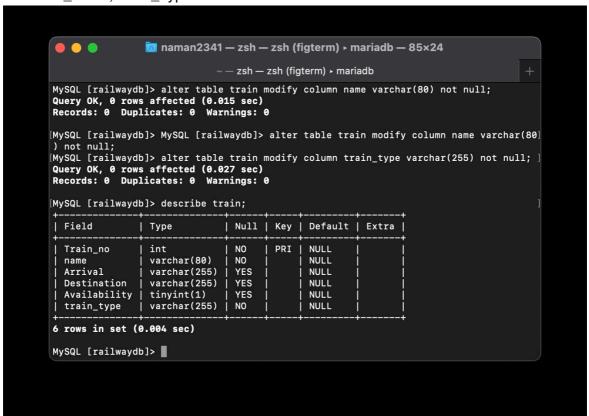
UE20CS301

Lab 3 - DDL Commands

Assignment

Tasks

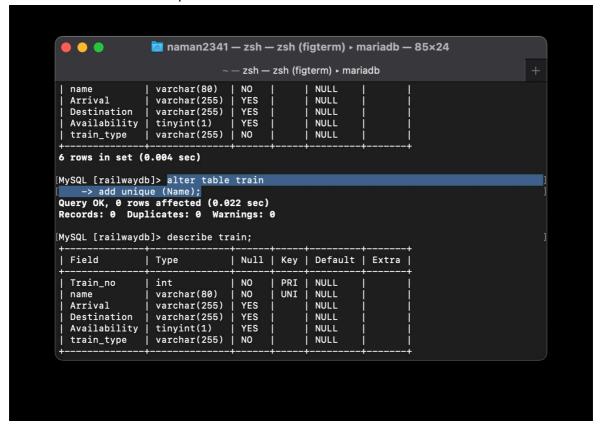
1. For Train_name, Train_Type in Train table add not null constraints value



2. Add default constraint for compartment table setting Availability attribute to Yes

```
🛅 naman2341 — zsh — zsh (figterm) > mariadb — 85×24
                                  ~ — zsh — zsh (figterm) • mariadb
 Field
                                             Null
                                                     Key
                                                            Default |
                           Type
                                                                        Extra
                           varchar(255)
                                             YES
                                                             NULL
  Type
  Compartment_number
                           int
                                             NO
                                                     PRI
                                                            NULL
                           int
                                             YES
  Capacity
Availability
                                                            NULL
                           int
                                             YES
                                                            NULL
                                                     MUL
  Train_no
                           int
                                             YES
                                                            NULL
5 rows in set (0.006 sec)
[MySQL [railwaydb]> alter table compartment
-> alter availability set default 1;
Query OK, 0 rows affected (0.011 sec)
Records: 0 Duplicates: 0 Warnings: 0
[MySQL [railwaydb]> describe compartment;
                           Type
                                             Null
                                                     Key
                                                            Default |
                                                                        Extra
                           varchar(255)
                                             YES
                                                             NULL
  Compartment_number
                           int
                                             NO
                                                     PRI
                                                            NULL
                           int
                                             YES
                                                            NULL
  Capacity
  Availability
                           int
                                             YES
                                                            1
```

3. train name should be unique



4. Add check constraints to Ticket to check if the passenger age is above 5

```
i naman2341 — zsh — zsh (figterm) → mariadb — 85×24
                               ~ - zsh - zsh (figterm) • mariadb
[MySQL [railwaydb]> describe ticket;
                                             | Key | Default | Extra |
| Field
                                      | Null
                     | Type
  PNR
                       int
                                               PRI
                                       NO
                                                      NULL
  Train no
                       int
                                       YES
                                                      NULL
  Travel_date
                                       YES
                       date
                                                      NULL
                       varchar(255)
                                                      NULL
  Departure
                                       YES
                       varchar(255)
                                       YES
  Arrival
                                                      NULL
  Departure_time
                                       YES
                       time
                                                      NULL
  Arrival_time
                                       YES
                       time
                                                      NULL
  User_ID
                                       YES
                       int
                                               MUL
                                                      NULL
  Train_type
                                       YES
                       varchar(255)
                                                      NULL
  Compartment_type
                       varchar(255)
                                       YES
                                                      NULL
  Compartment_no
                       int
                                       YES
                                                      NULL
                       int
                                       YES
                                                      NULL
12 rows in set (0.005 sec)
[MySQL [railwaydb]> alter table ticket
Query OK, 0 rows affected (0.039 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

5. Rename any existing table name

```
🔟 naman2341 — zsh — zsh (figterm) ▶ mariadb — 85×24
                                             ~ — zsh — zsh (figterm) ▶ mariadb
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corre sponds to your MySQL server version for the right syntax to use near 'ticket Train_Ticket' at line 1

[MySQL [railwaydb]> alter table ticket

-> rename to Train_Ticket;

[Output Of A recognification (4.93/4.500)]
Query OK, 0 rows affected (0.024 sec)
[MySQL [railwaydb]> show tables;
 | Tables_in_railwaydb |
   compartment
    FARE_TABLE
    PAYMENT_INFO
    ROUTE_INFO
   TICKET_PASSENGER
   train
   Train_Ticket
  USER_
USER_TRAIN
 9 rows in set (0.004 sec)
MySQL [railwaydb]>
```

6. use Truncate and drop commands