DATABASE MANAGEMENT SYSTEMS LAB

Week 3

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COMMANDS USED: SHOW DATABASES, USE RAILWAY RESERVATION SYSTEM, SHOW TABLES

TRAIN

|MariaDB [railway_reservation_system]> create table TRAIN_484(Train_no int NOT NULL, Train_type varchar(255), Train_name varchar(255), Source varchar(255), Destination varchar(255), Availability boolean, Primary key(Train_no));

Query OK, 8 rows affected (8.871 sec)

COMPARTMENT

|MariaDB [railway_reservation_system]> create table COMPARTMENT_484(Compartment_number int NOT NULL, Compartment_type varchar(255), Compartment_capacity int NOT NULL, Compartment_availibility boolean,Train|
_no int NOT NULL, constraint my_compartment Primary key(Compartment_number), Foreign key(Train_no) references TRAIN_484(Train_no));
Query OK, 6 rows affected, 1 warning (8.083 sec)

ROUTE INFO

MariaDB [railway_reservation_system]> create table ROUTE_INFO484(From_station_no int NOT NULL, From_station_name varchar(255), To_station_no int NOT NULL, To_station_name varchar(255), Distance int NOT NULL |
L, Train_no int NOT NULL, constraint my_couterinfo Primary key(From_station_no, To_station_no, Train_no), Foreign key(Train_no) references TRAIN_484(Train_no));
Query OK, 6 rows affected, 1 warning (8-833 sec)

USER

[MariaDB [railway_reservation_system]> create table USER_484(User_id int NOT NULL, User_type varchar(50), Fname varchar(50), Lname varchar(50), Age int, Date_of_birth date, Pincode int, Street_no int, Prim ary key(User_id));

Query OK, 0 rows affected (0.033 sec)

USER - TRAIN

MariaDB [railway_reservation_system]> create table USER_TRAIN_484(Train_no int NOT NULL, User_id int NOT NULL, Date_time_stamp timestamp, constraint my_user_train Primary key(Train_no, User_id, Date_time_ stamp), Foreign key(Train_no) references TRAIN_484(Train_no), Foreign key(User_id) references USER_484(User_id)); Query OK, P orws affected, 1 warning (8-834 sec)

USER - PHONE

|MariaDB [railway_reservation_system]> create table USER_PHONE_484(User_id int NOT NULL, Phone_no int NOT NULL, constraint my_user_phone Primary key(User_id, Phone_no), Foreign key(User_id) references USER_484(User_id)); Query OK, 6 rows affected, 1 warning (0.030 sec)

TICKET

MariaDB [railway_reservation_system]> create table TICKET_484(Pnr int NOT NULL, Train_no int NOT NULL, Travel_date date, Departure varchar(50), Arrival varchar(50), Departure_time timestamp, Arrival_time timestamp, User_id int NOT NULL, Train_type varchar(255), Compartment_type varchar(255), Compartment_number int NOT NULL, Primary key(Pnr), Foreign key(User_id) references USER_484(User_id)); Query OK, 6 rows affected (0.827 sec)

PAYMENT INFO

MariaDB [railway_reservation_system]> create table PAYMENT_INFO_484(Transaction_id int NOT NULL, Bank varchar(255), Card_number int NOT NULL, Price float, Pnr int NOT NULL, Primary key(Transaction_id), For reign key(Pnr) references TICKET_484(Pnr));
Query OK, & rows affected (8.019 sec)

TICKET - PASSENGER

MariaDB [railway_reservation_system]> create table TICKET_PASSENGER_484(Seat_no int NOT NULL, Name varchar(255), Age int, Pnr int NOT NULL, Primary key(Seat_no), Foreign key(Pnr) references TICKET_484(Pnr.)); Query OK, 0 rows affected (0.027 sec)

FARE TABLE

|MariaDB [railway_reservation_system]> create table FARE_TABLE_484(Train_type varchar(255), Compartment_type varchar(255), Far_per_km float, constraint my_fare_table Primary key(Train_type, Compartment_typ| e));
Query OK, @ rows affected, 1 warning (0.027 sec)

COMMANDS USED: ALTER MODIFY, ALTER RENAME, ALTER SET DEFAULT



MariaDB [railway_reservation_system]> alter table COMPARTMENT_484 alter Co Query OK, 0 rows affected (0.034 sec) Records: 0 Duplicates: 0 Warnings: 0 MariaDB [railway_reservation_system]> desc COMPARTMENT_484;					
Field	Type	Null	Key		
Compartment_number	int(11)	NO	PRI	NULL	i i
Compartment_type Compartment_capacity	varchar(255) int(11)	YES		NULL	
Compartment_availibility Train no		YES	i	1 NULL	į į
	int(11) +	NO	MUL		

COMMANDS USED: TRUNCATE TABLE, DROP TABLE

