DBMS

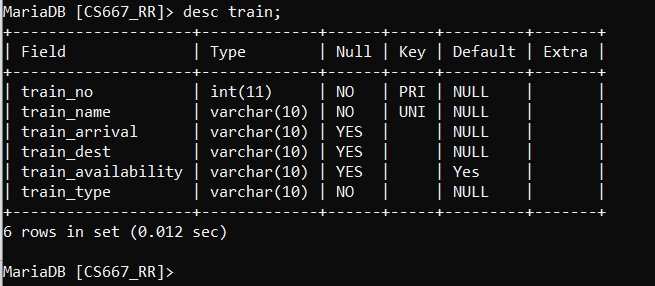
Nikhil Raju Mohite

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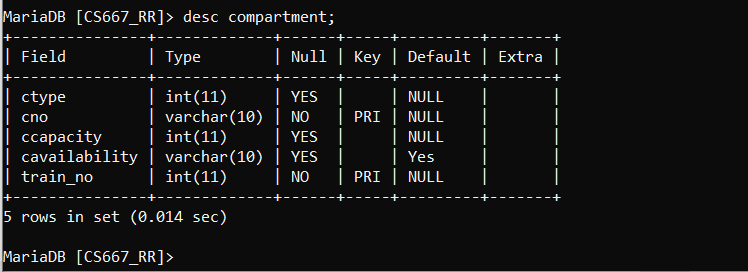
K Section

13.09.2022

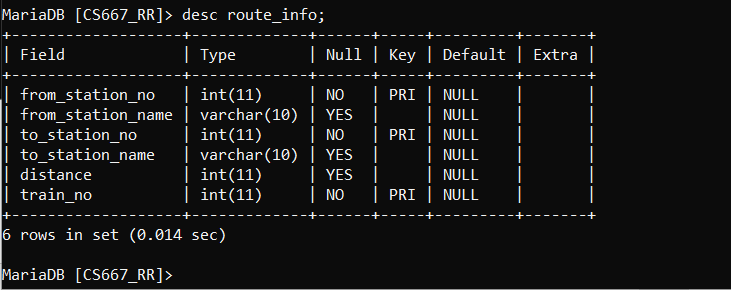
create table train(train\_no integer, train\_name varchar(10) unique not null, train\_arrival varchar(10), train\_dest varchar(10), train\_availability varchar(10) default 'Yes', train\_type varchar(10) not null, primary key(train\_no));



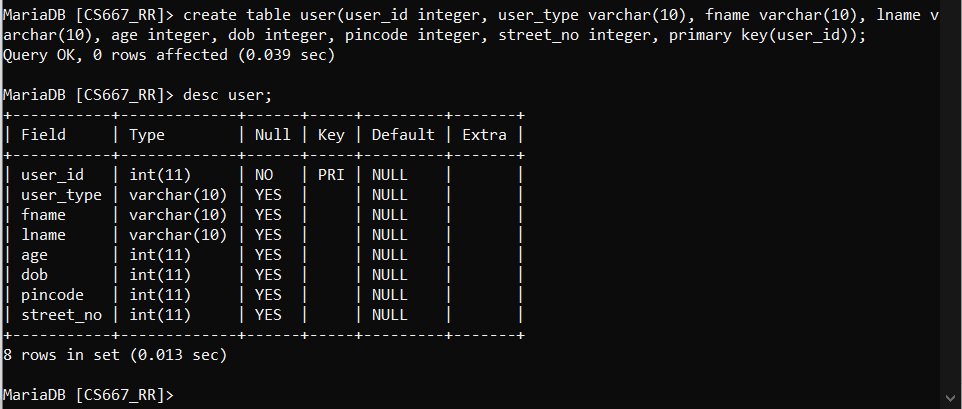
create table compartment(ctype integer, cno varchar(10), ccapacity integer, cavailability varchar(10) default 'Yes', train\_no integer, foreign key(train\_no) references train(train\_no), primary key(cno,train\_no));



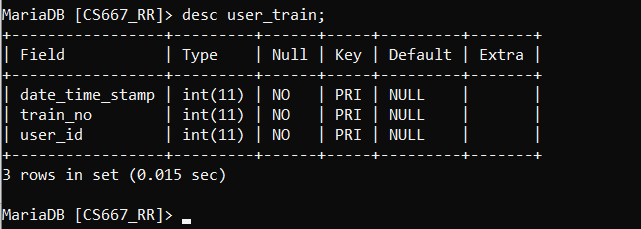
create table route\_info(from\_station\_no integer, from\_station\_name varchar(10), to\_station\_no integer, to\_station\_name varchar(10), distance integer, train\_no integer, foreign key(train\_no) references train(train\_no), primary key(from\_station\_no,to\_station\_no,train\_no));



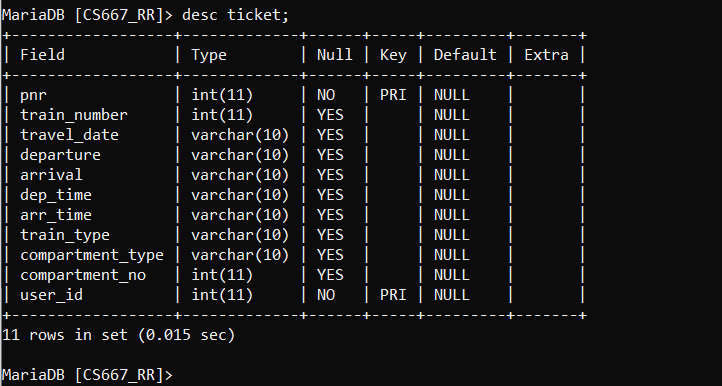
create table user(user\_id integer, user\_type varchar(10), fname varchar(10), lname varchar(10), age integer, dob integer, pincode integer, street\_no integer, primary key(user\_id));



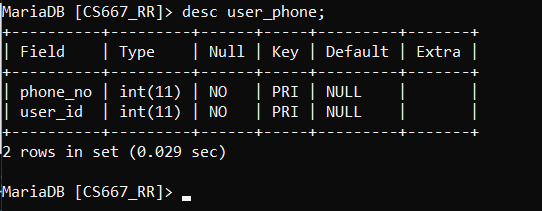
create table user\_train(date\_time\_stamp integer,train\_no integer, foreign key(train\_no) references train(train\_no),user\_id integer, foreign key(user\_id) references user(user\_id), primary key(date\_time\_stamp,user\_id,train\_no));



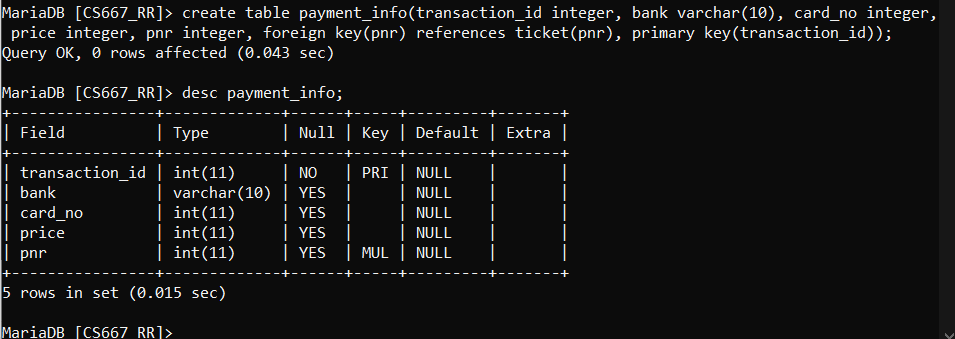
create table ticket(pnr integer, train\_number integer, travel\_date varchar(10), departure varchar(10), arrival varchar(10), dep\_time varchar(10), arr\_time varchar(10), train\_type varchar(10), compartment\_type varchar(10), compartment\_no integer,user\_id integer, foreign key(user\_id) references user(user\_id));



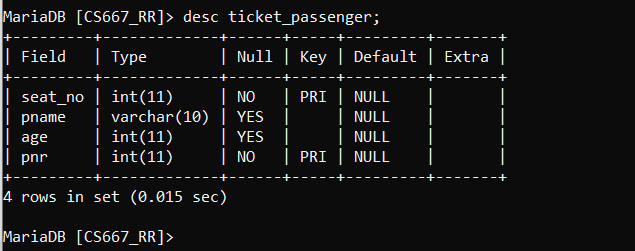
create table user\_phone(user\_id integer, phone\_no integer, primary key(user\_id,phone\_no), foreign key(user\_id) references user(user\_id));



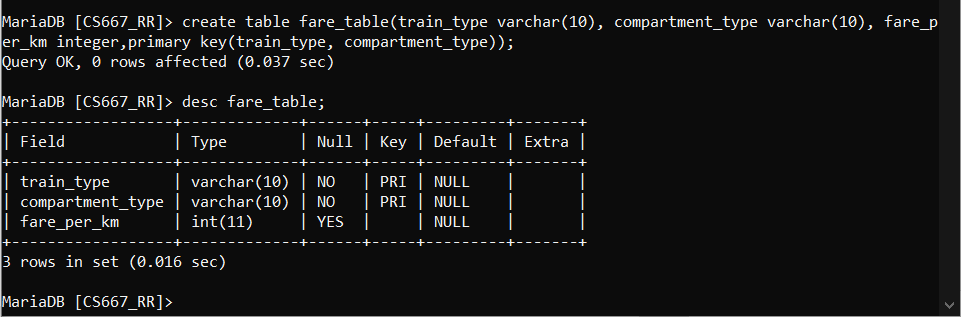
create table payment\_info(transaction\_id integer, bank varchar(10), card\_no integer, price integer, pnr integer, foreign key(pnr) references ticket(pnr), primary key(transaction\_id));



create table ticket\_passenger(seat\_no integer, pname varchar(10), age integer check (age>5), pnr integer, foreign key(pnr) references ticket(pnr), primary key(seat\_no));

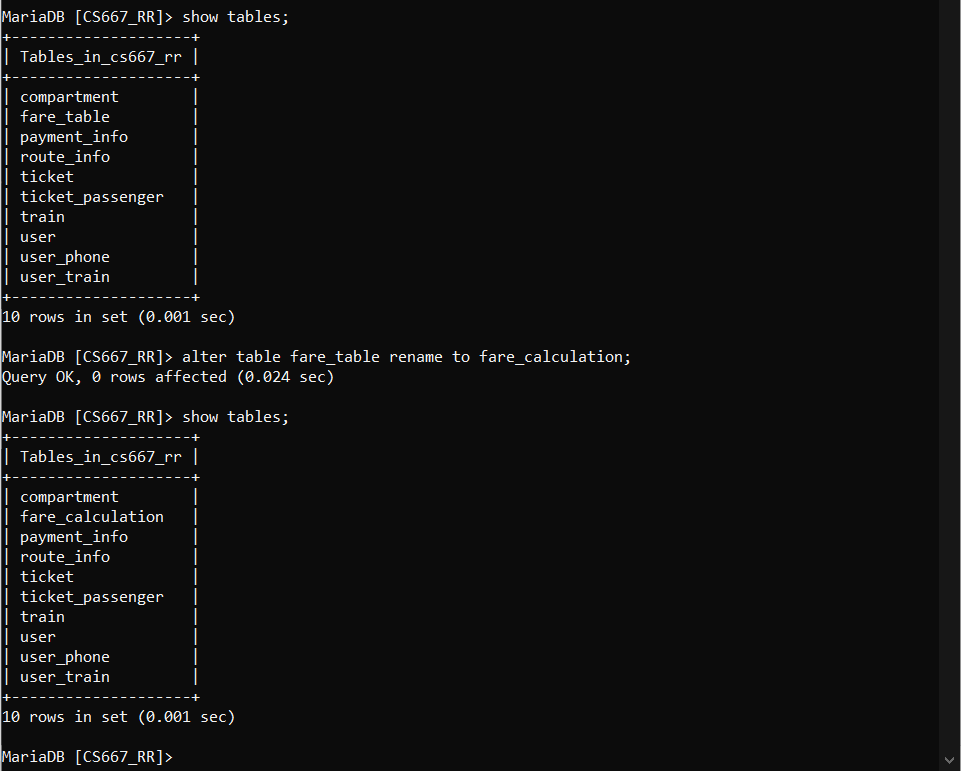


create table fare\_table(train\_type varchar(10), compartment\_type varchar(10), fare\_per\_km integer,primary key(train\_type, compartment\_type));



Renaming:

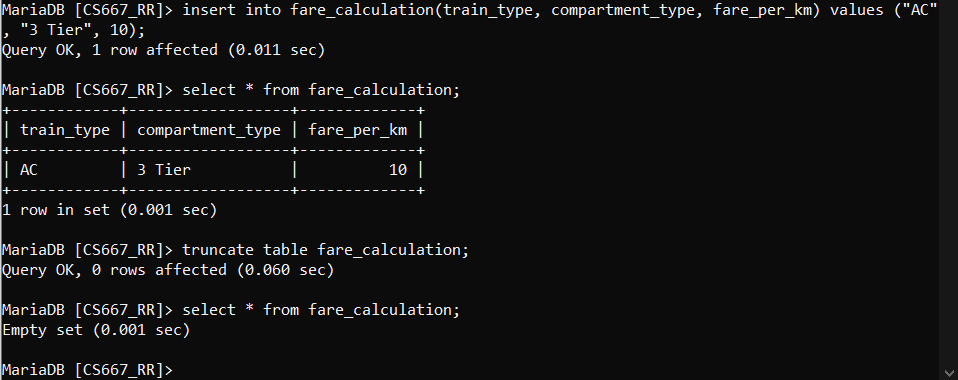
alter table fare\_table rename to fare\_calculation;



Truncate:

insert into fare\_calculation(train\_type, compartment\_type, fare\_per\_km) values ("AC", "3 Tier", 10);

truncate table fare\_calculation;



Delete:

drop table fare\_calculation;

