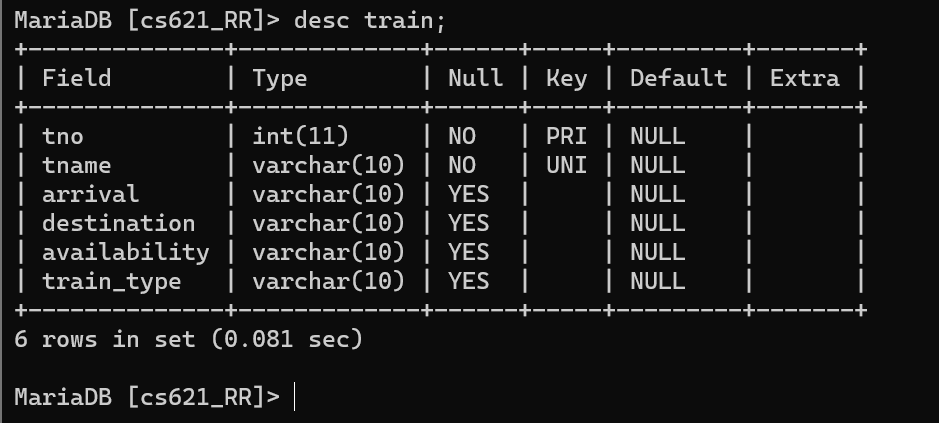
**Adithya M SRN: PES1UG20CS621 Section: K**

1. create table train(tno integer not null, tname varchar(10) not null unique, arrival varchar(10), destination varchar(10), availability varchar(10), train\_type varchar(10), primary key(tno));

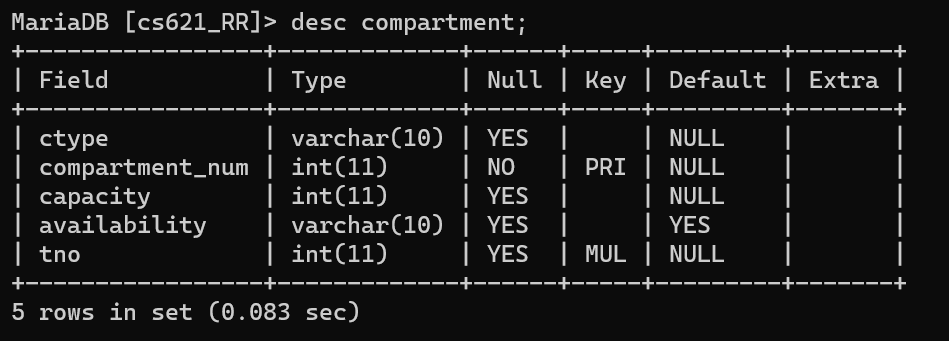


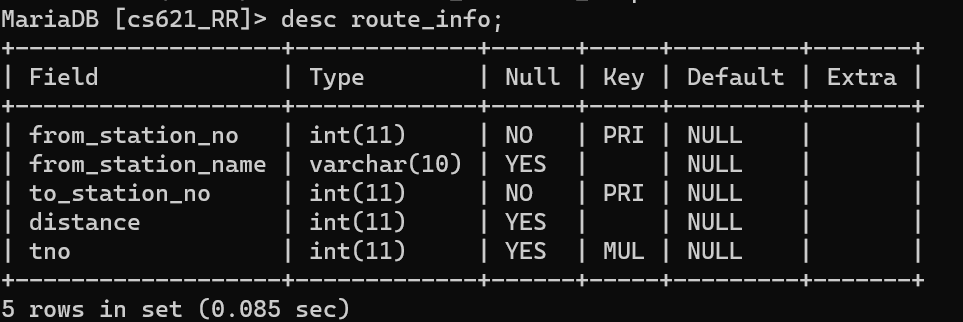
1. create table compartment(ctype varchar(10), compartment\_num integer, capacity integer, availability varchar(10), tno integer, foreign key(tno) references train(tno));

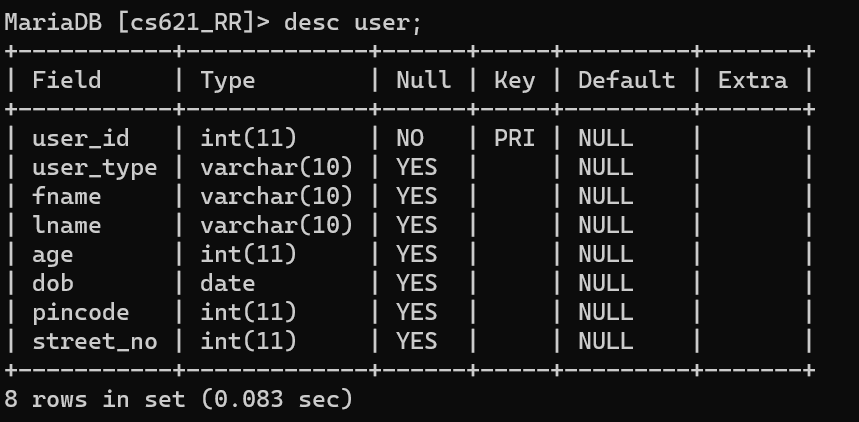
alter table compartment modify compartment\_num integer primary key;

alter table compartment

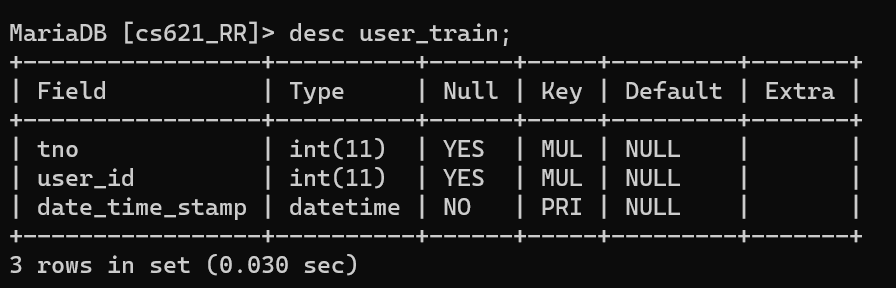
alter column availability set default 'YES';



1. create table route\_info(from\_station\_no integer, from\_station\_name varchar(10), to\_station\_no integer, distance integer, tno integer, foreign key(tno) references train(tno), primary key(from\_station\_no, to\_station\_no));
2. create table user(user\_id integer, user\_type varchar(10), fname varchar(10), lname varchar(10), age integer, dob date, pincode integer, street\_no integer, primary key(user\_id));



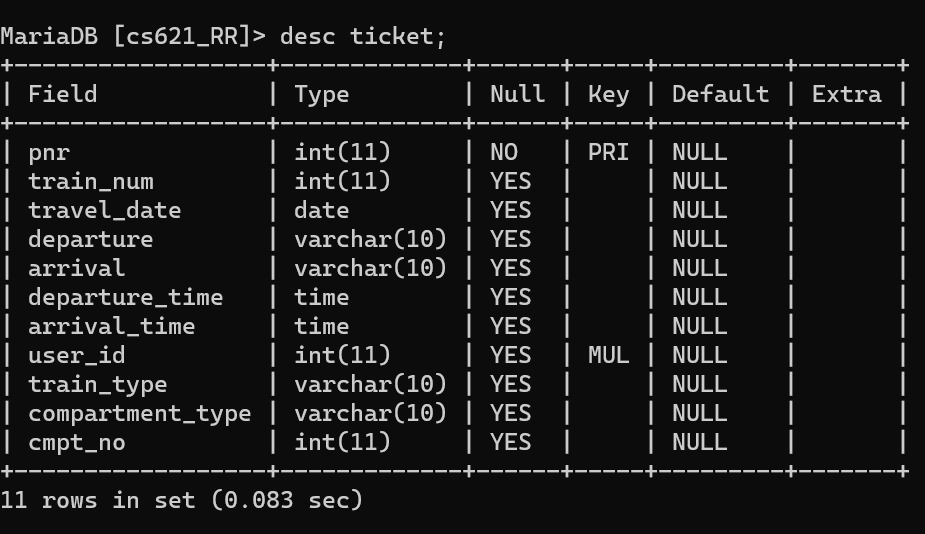
1. create table user\_train(tno integer, user\_id integer, date\_time\_stamp datetime, primary key(date\_time\_stamp), foreign key(tno) references train(tno), foreign key(user\_id) references user(user\_id));



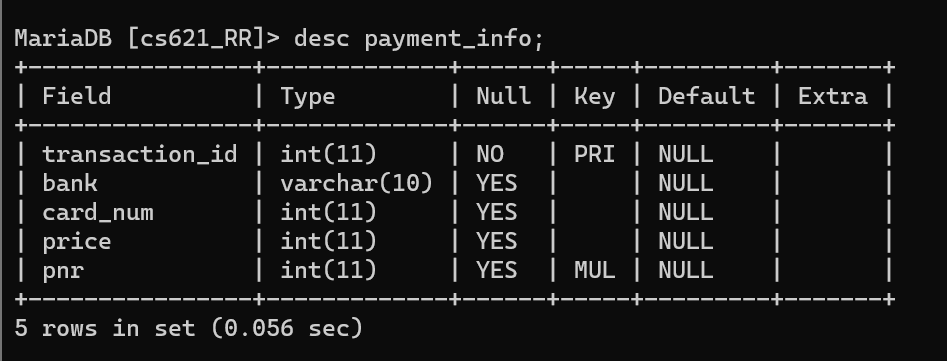
1. create table user\_phone(user\_id integer, phone\_no integer, primary key(phone\_no), foreign key(user\_id) references user(user\_id));



1. create table ticket(pnr integer, train\_num integer, travel\_date date, departure varchar(10), arrival varchar(10), departure\_time time, arrival\_time time, user\_id integer, train\_type varchar(10), compartment\_type varchar(10), cmpt\_no integer, primary key(pnr), foreign key(user\_id) references user(user\_id));

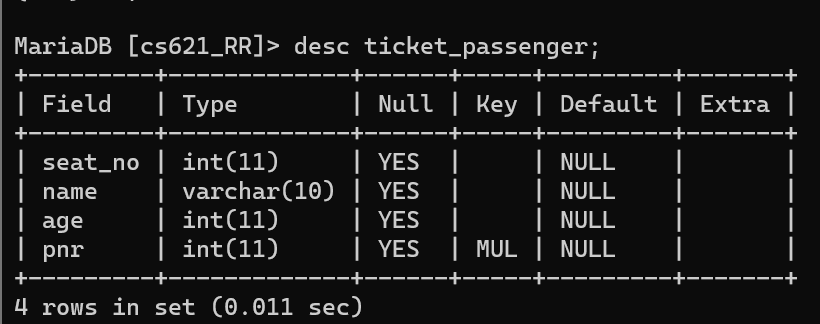


1. create table payment\_info(transaction\_id integer, bank varchar(10), card\_num integer, price integer, pnr integer, primary key(transaction\_id), foreign key(pnr) references ticket(pnr));



1. create table ticket\_passenger(seat\_no integer, name varchar(10), age integer, pnr integer, foreign key(pnr) references ticket(pnr));

alter table ticket\_passenger add check(age>5);



1. create table fare\_table(train\_type integer, compartment\_type integer, fareperkm integer, primary key(train\_type, compartment\_type));