**DBMS LAB 3**

**Railway Reservation**

By: Ishita Bharadwaj

SRN: PES1UG20CS648

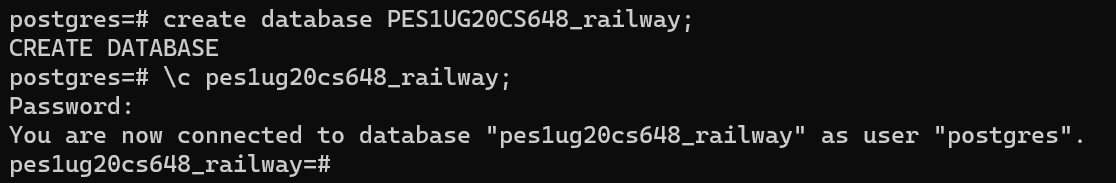
Section: K

Roll No: 43

Create tables for the Above-mentioned Relational design and add check, default, not null and unique constraints.

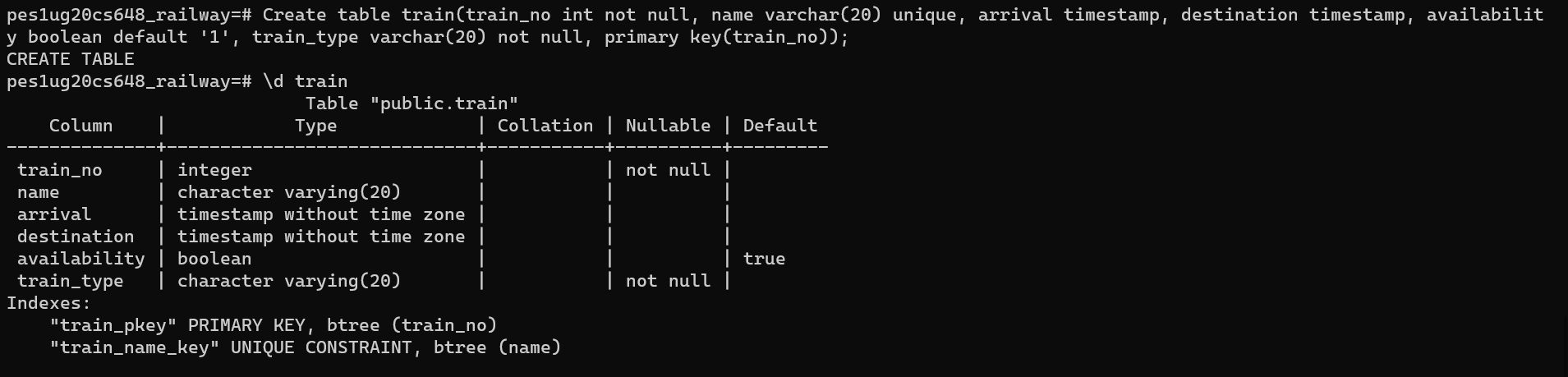
1) Added PK and FK constraints for all applicable Relations

**CREATE DATABASE PES1UG20CS648\_railway**



2) For Train\_name, Train\_Type in Train table add not null constraints value

**Create Table Train**

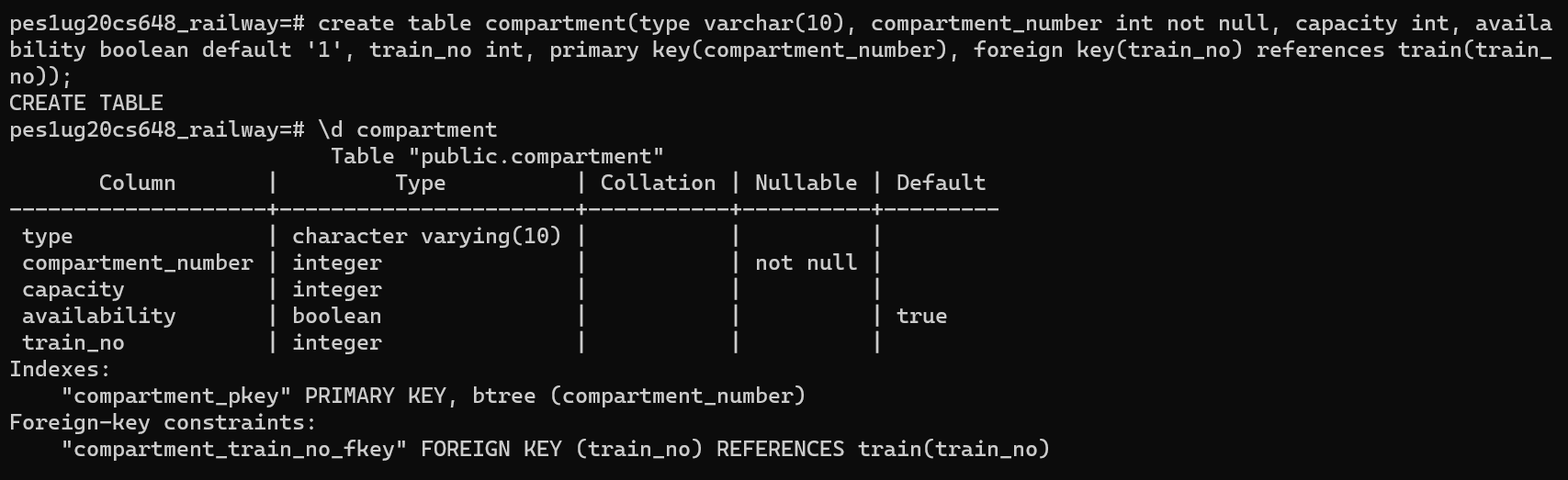


Train name is unique (which is not null). Train type and train number is not null.

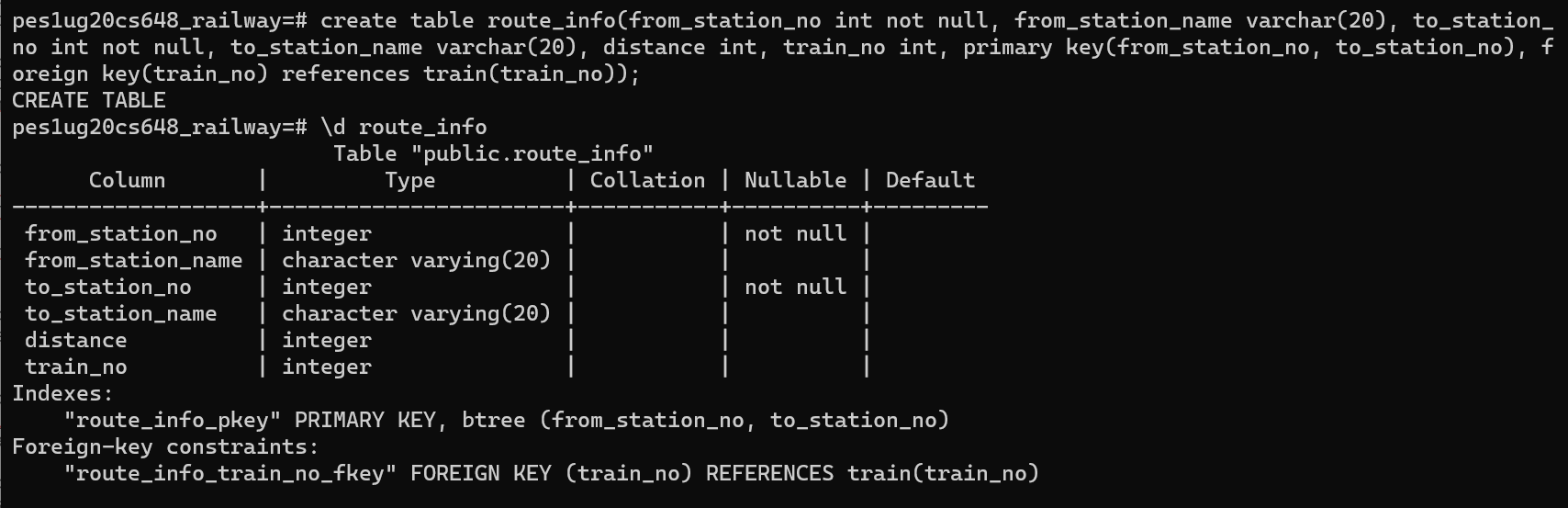
3) Add default constraint for compartment table setting Availability attribute to Yes –

Availability constraint is default to ‘yes’ as the data type for availability is Boolean – 1 for yes and 0 for no.

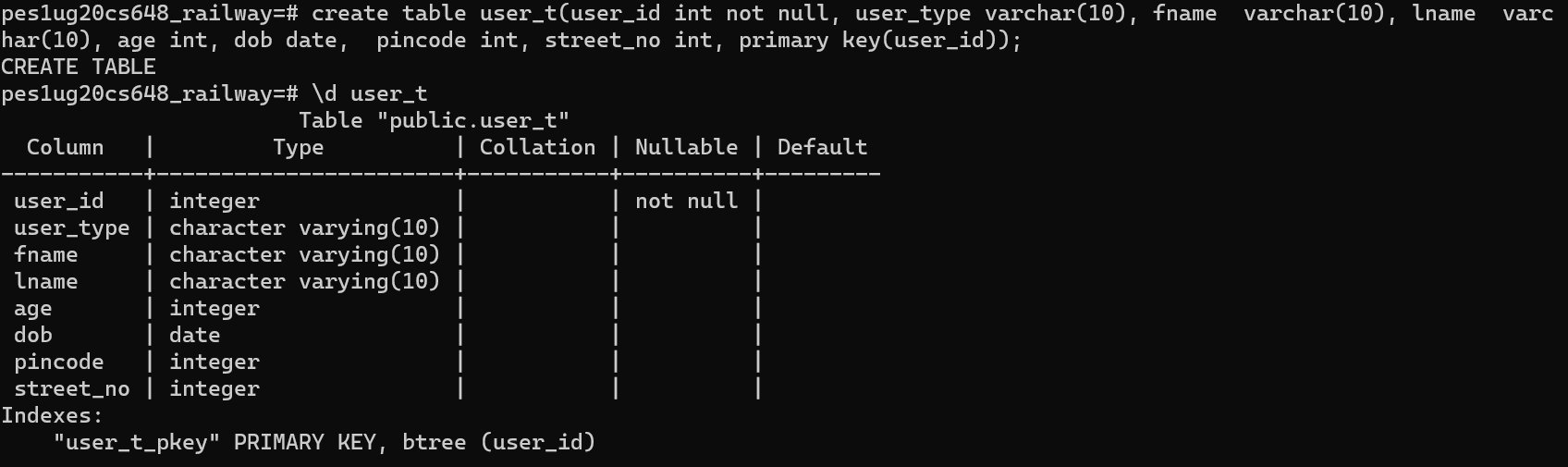
**Create Table Compartment**



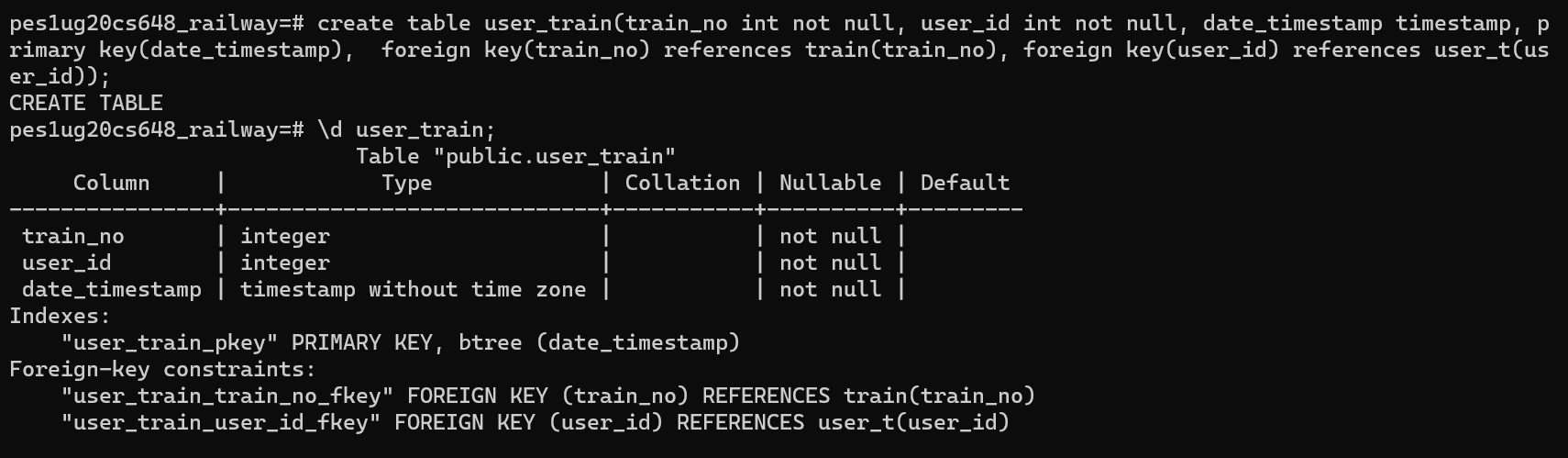
**create table route\_info**



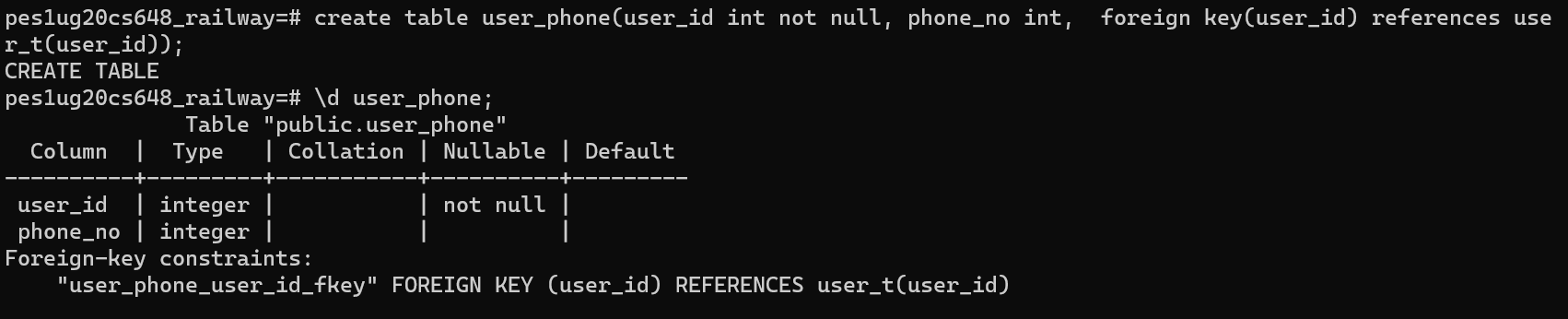
**create table user\_t**



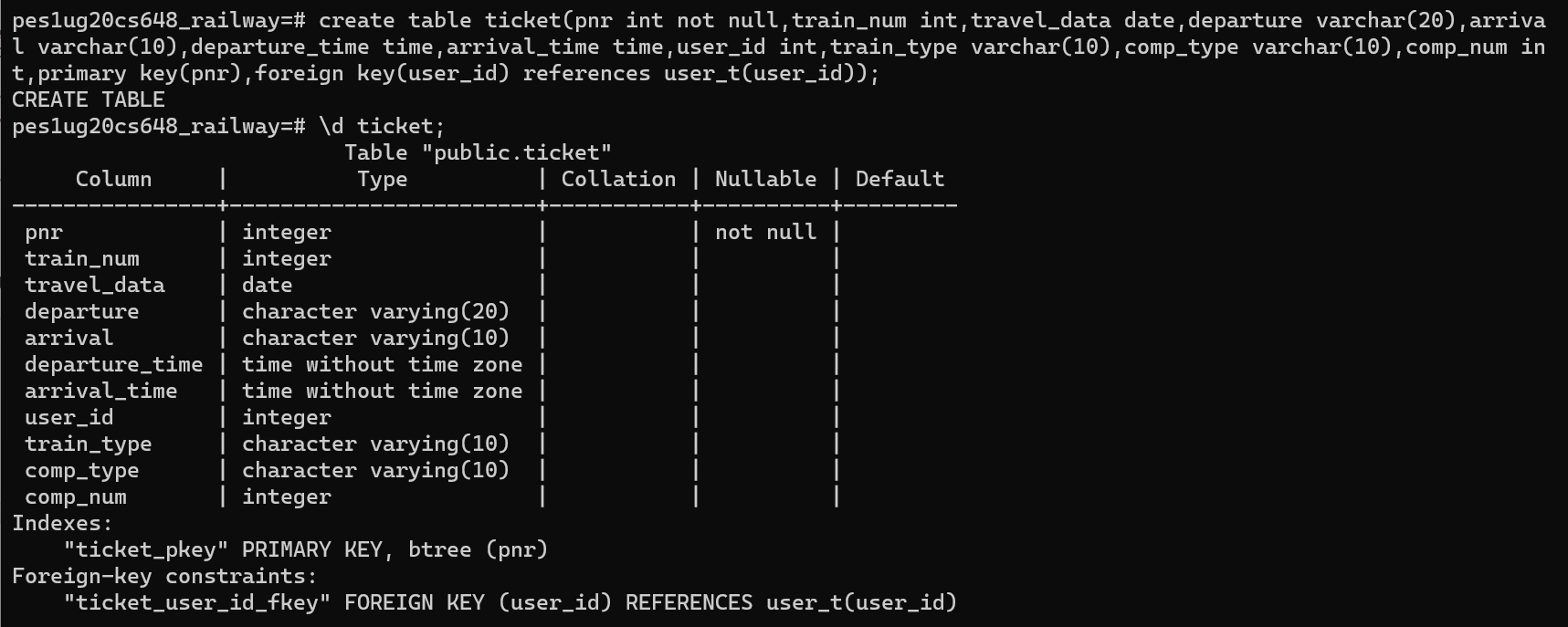
**create table user\_train**



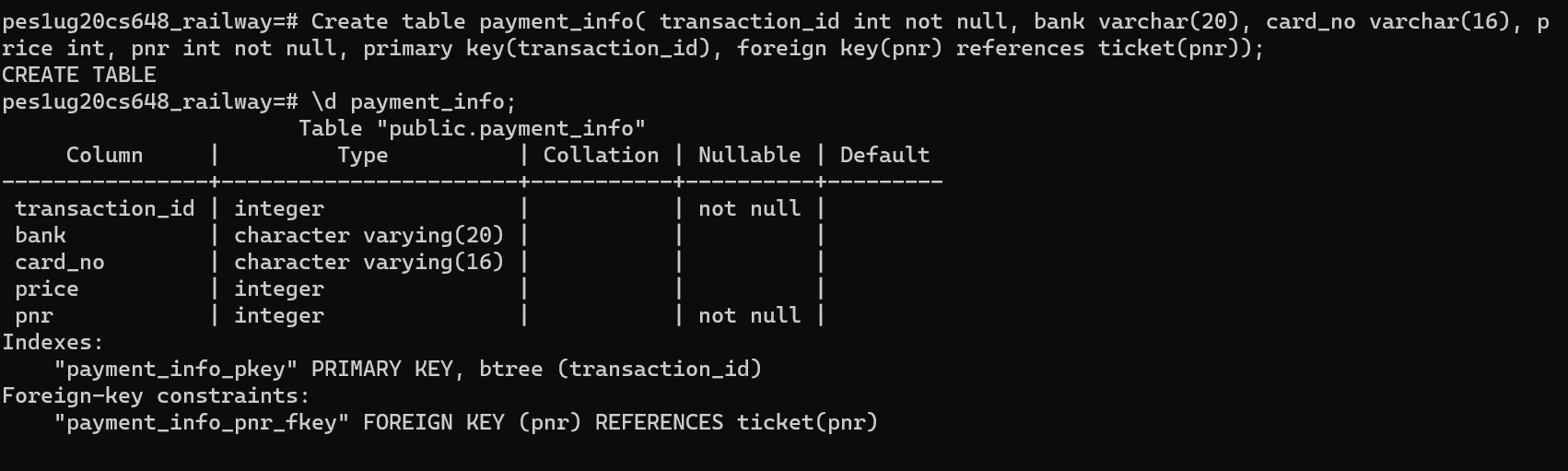
**Create table user\_phone**



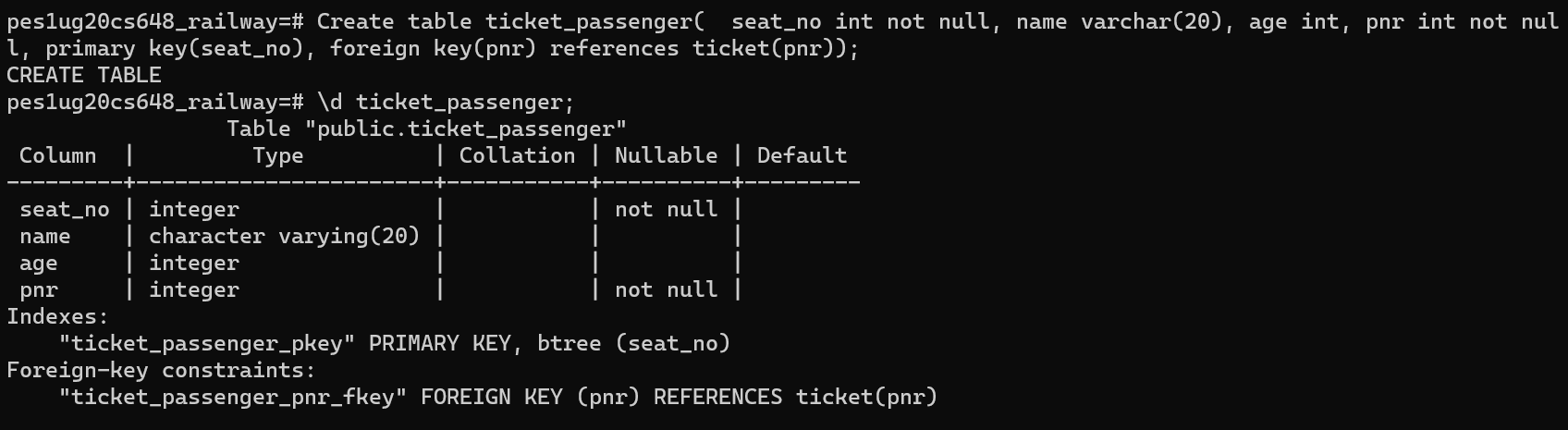
**Create table ticket**



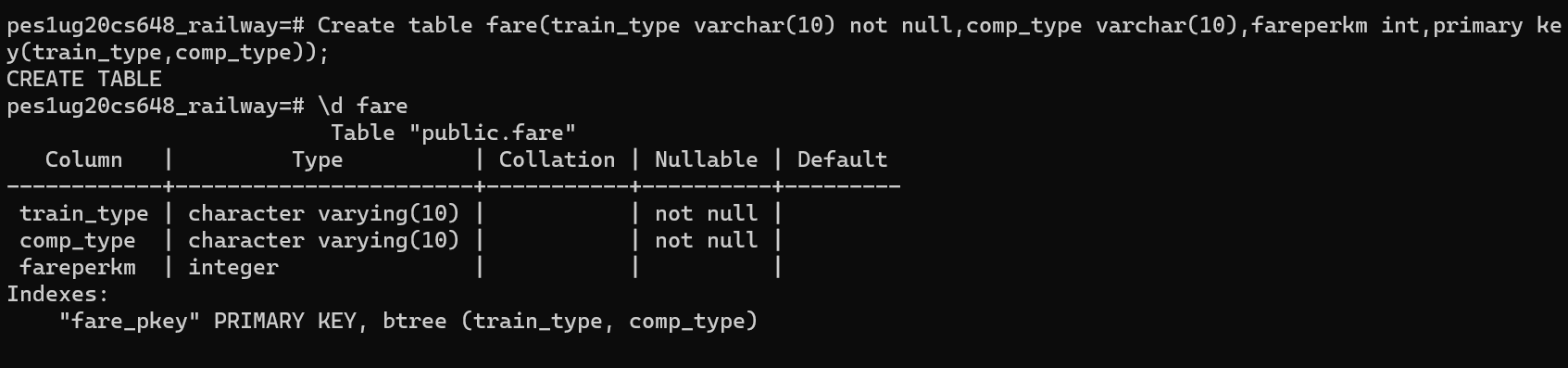
**Create table payment\_info**



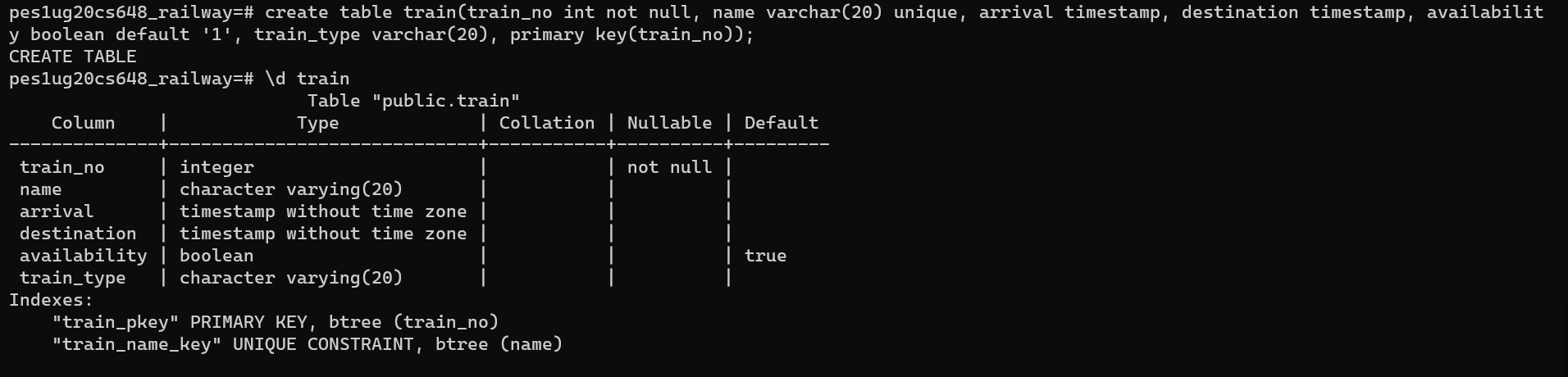
**Create table ticket\_passenger**



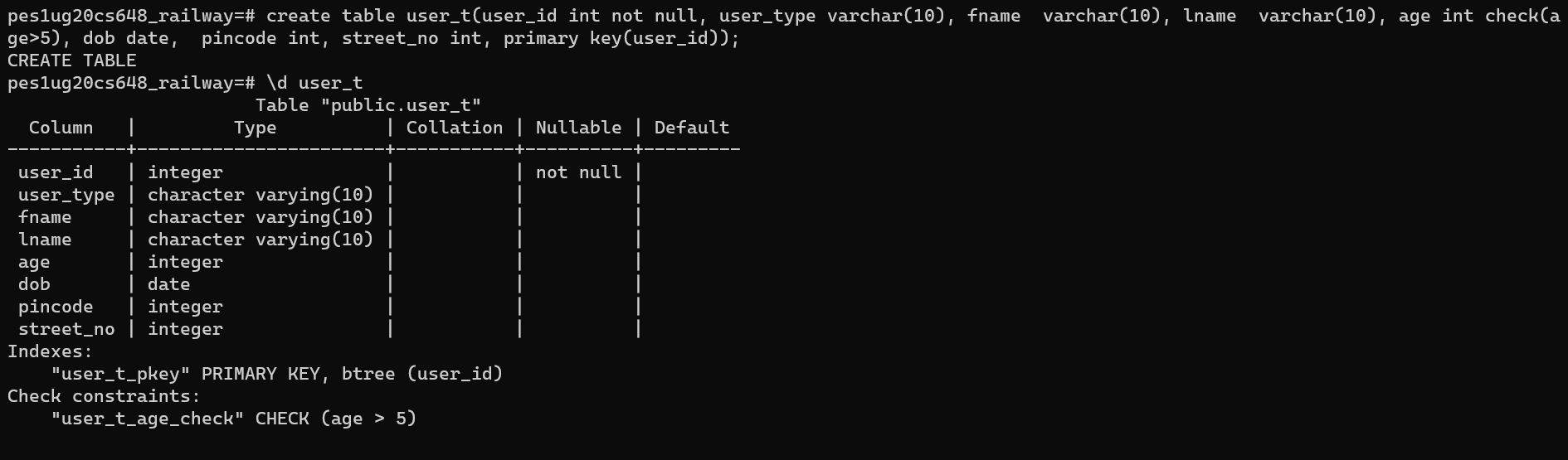
**Create table fare**



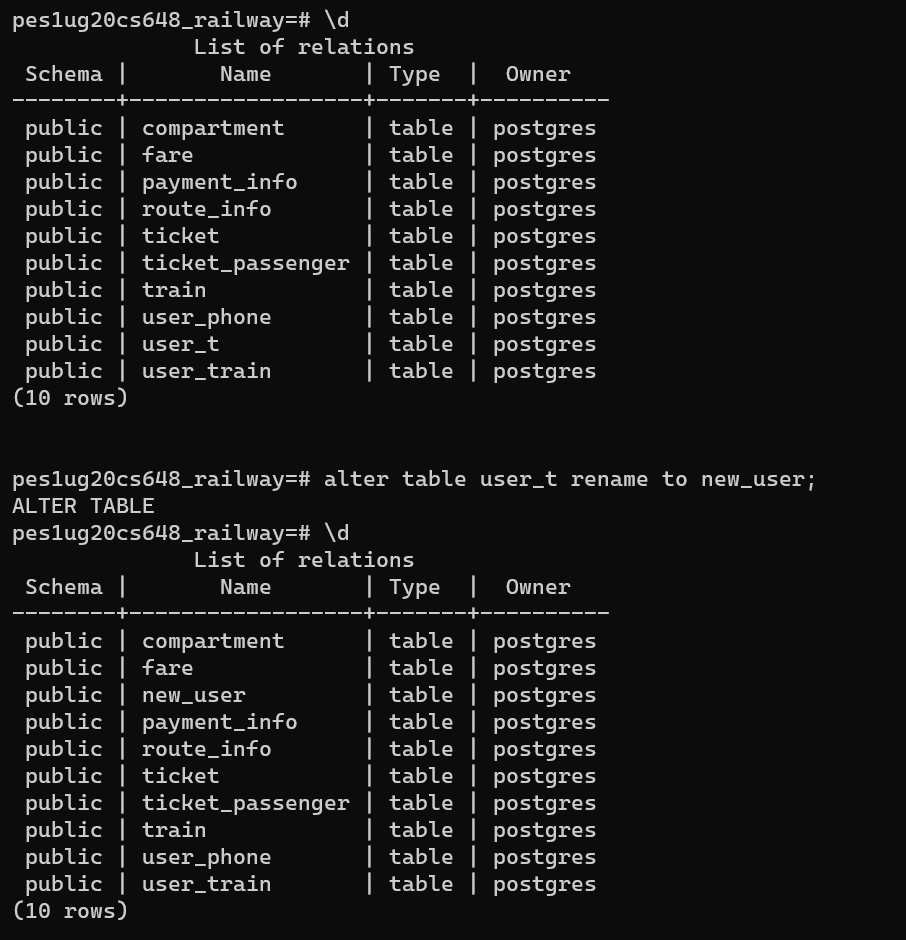
4)train name should be unique-



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



6) Rename any existing table name : alter table user\_t



7) use Truncate and drop commands

