create database r;

use r;

create table user(

email\_id varchar(30),

primary key(email\_id),

pass\_word varchar(30) not null,

name varchar(30),

gender char(6) not null,

age int not null,

aadharno bigint not null,

mobile\_no bigint not null,

address varchar(40)

);

INSERT INTO user

VALUES ('rakeshdhawan@gmail.com','rakesh@12','Rakesh Dhawan','Male',47,527772314587,9416587964,'Delhi Uttar Pradesh');

INSERT INTO user

values('radhikashrivastav@gmail.com','radhika@25','Radhika Shrivastav','Female',23,513625652001,8102569811,'Delhi Uttar Pradesh');

INSERT INTO user

values('akshatgaur@gmail.com','akshat12','Akshat Gaur','Male',20,513625652003,8125478811,'Jaipur Rajasthan');

INSERT INTO user

values('rohanraj@gmail.com','rohan25','Rohan Raj','Male',15,501587456874,9123547810,'Ajmer Rajasthan');

INSERT INTO user

values('yashsaxena@gmail.com','yash12#','Yash Saxena','Male',23,522200012362,7772563332,'Amritsar Punjab');

INSERT INTO user

values('praneetsingh.com','singh#','Praneet Singh','Male',32,522252012362,7712563332,'Amritsar Punjab');

INSERT INTO user

values('pranaygoyal@gmail.com','pranay12#','Pranay Goyal','Male',33,552500012362,9472563332,'Jaipur Rajasthan');

INSERT INTO user

values('tanujsharma@gmail.com','tanuj12#','Tanuj Sharma','Male',22,552669012362,9472563300,'Ajmer Rajasthan');

create table ticket(

pnr\_no int,

primary key(pnr\_no),

name varchar(30),

train\_no int,

train\_name varchar(30),

age int,

email\_id varchar(30),

foreign key(email\_id) references user(email\_id),

from\_city varchar(30) not null,

to\_city varchar(30) not null,

gender varchar(6),

seat\_no int

);

INSERT INTO ticket

VALUES(10001,'Rakesh Dhawan',1,'Rajdhani Express',47,'rakeshdhawan@gmail.com','Delhi','Jaipur','Male',1);

INSERT INTO ticket

VALUES(5987,'Radhika Shrivastav',1,'Rajdhani Express',23,'radhikashrivastav@gmail.com','Delhi','Jaipur','Female',2);

INSERT INTO ticket

VALUES(2004,'Akshat Gaur',2,'Shatabdi Express',20,'akshatgaur@gmail.com','Jaipur','Delhi','Male',1);

INSERT INTO ticket

VALUES(2005,'Rohan Raj',4,'Chetak Express',15,'rohanraj@gmail.com','Ajmer','Jodhpur','Male',2);

INSERT INTO ticket

VALUES(1006,'Yash Saxena',3,'Amritsar Shatabdi',23,'yashsaxena@gmail.com','Amritar','Delhi','Male',1);

INSERT INTO ticket

VALUES(5020,'Praneet Singh',3,'Amritsar Shatabdi',32,'praneetsingh.com','Amritar','Delhi','Male',2);

INSERT INTO ticket

VALUES(2155,'pranaygoyal@gmail.com',2,'Shatabdi Express',33,'pranaygoyal@gmail.com','Jaipur','Delhi','Male',5);

INSERT INTO ticket

VALUES(3105,'Tanuj Sharma',4,'Chetak Express',15,'rohanraj@gmail.com','Ajmer','Jodhpur','Male',4);

create table train (

train\_no int,

primary key(train\_no),

train\_name varchar(30),

source varchar(30),

destination varchar(30),

arrival\_time datetime not null,

destination\_time datetime not null,

availableseats int ,

bookedseats int,

fare int

);

insert into train

values(1,'Rajdhani Express','Delhi','Jaipur','2020-12-12 3:00:00','2020-12-12 08:00:00',28,2,400);

insert into train

values(2,'Shatabdi Express','Jaipur','Delhi','2020-12-15 15:00:00','2020-12-15 20:00:00',28,2,410);

insert into train

values(4,'Chetak Express','Ajmer','Jodhpur','2020-12-11 17:00:00','2020-12-11 22:00:00',28,2,500);

insert into train

values(3,'Amritsar Shatabdi','Amritsar','Delhi','2020-12-10 1:00:00','2020-12-10 08:00:00',28,2,800);

create trigger addticket

after insert on ticket

for each row

update train set availableseats=availableseats-1 and bookedseats=bookedseats+1

where train.train\_no=ticket.train\_no;

create trigger deleteticket

after delete on ticket

for each row

update train set availableseats=availableseats+1 and bookedseats=bookedseats-1

where train.train\_no=ticket.train.no;