

Some Queries :

1. Retrieve all the user_id and user name that booked the confirm tickets for any class of train .

-> `select u.user_id,name from users as u join ticket as t on t.user_id=u.user_id where status='CNF' ;`

2. Retrieve user_id, user name and total number of confirm tickets booked by that user for a particular class.

-> `select name ,d.* from users join (select user_id,class, count(pnr) from ticket where status='CNF' group by user_id , class) as d on d.user_id=users.user_id;`

3. Details of the passenger whose ticket has been canceled.

-> `select passenger.pname,passenger.pid,ticket.pnr,ticket.status from passenger join ticket on passenger.pid=ticket.pid where status='CNL';`

4. Details about the passenger that booked a ticket for a particular train

-> `select passenger.*,p.train_no from passenger join (select pid,ticket.train_no from ticket join (select train_no from train where tname ='Chennai Express') as d on d.train_no=ticket.train_no) as p on p.pid=passenger.pid;`

Some Queries :

5. No. Of booked ticket on the particular date .

-> `select train_no,book_date ,count(pnr) as "total booked" from ticket where book_date='2019-04-17' group by train_no,book_date;`

6. Total number of train which have same source or destination with station name.

-> `select sname,d.* from station join (select source_id,count(train_no) as "total train " from train group by source_id) as d on d.source_id=station.sid;`

7. Fare of the ticket for the given pnr.....

-> `select p.*,tstatus.total_fare from tstatus join (select train.train_no,doj,class from train join (select train_no,doj,class from ticket where pnr= 5824323) as d on d.train_no=train.train_no) as p on p.train_no=tstatus.train_no where tstatus.sdate=p.doj and tstatus.class=p.class;`

Some Queries :

8. Details of passengers whose age is above 45 years(Senior citizens) with name and pnr.

-> `select d.*,pnr from ticket join (select pname,pid,age from passenger where age>=45) as d on d.pid=ticket.pid ;`

9. Total booking of a AC and SL class for a train.

-> `select train_no,class,count(pnr) from ticket group by train_no,class;`

10. Details about the passenger(name,age,doj,class,fare,book_date) whose pnr is given....

-> `select s.*,total_fare from tstatus join (select tname,d.* from train join (select train_no,pname,age,doj,class,book_date from ticket join passenger on passenger.pid=ticket.pid where pnr=5824311)as d on d.train_no=train.train_no) as s on s.train_no=tstatus.train_no where tstatus.sdate=s.doj and s.class=tstatus.class;`

Some Queries :

11. Display the train number with increasing order of the fares of given class.....

-> `select train_no,total_fare,class from tstatus order by total_fare offset 3 limit 5;`

12. Retrieve the details of user who booked more than 1 ticket.

-> `select d.*,name from users join (select user_id,count(pnr) from ticket group by user_id having count(pnr)>=2) as d on d.user_id=users.user_id;`