

SQL Assignment:

Railway Management System:

Q.1) Getting first name, complete name and pnr no. Of a user.

Ans.) `select t1.first_name, t2.name, t3.pnr_no from User t1
join Passenger_Info t2 on t1.user_id=t2.pass_id join
Ticket_Info t3 on t2.pass_id=t3.user_id;`

Q.2) Getting seat no, train no of user whose ticket confirmation status is confirmed.

Ans.) `select t1.seat_no, t3.train_no from Passenger_Info t1
join User t2 on t1.pass_id=t2.user_id join Ticket_Info t3 on
t2.user_id=t3.user_id where t3.status="confirmed";`

Q.3) Getting name, age, gender, pnr no, train no, station name , of users starting from station="kolkata jnc".

Ans) `select t1.age, t1.gender,t2.pnr_no, t2.name,
t3.train_no, t4.name from User t1 join Passenger_Info t2 on
t1.user_id=t2.pass_id join Ticket_Info t3 on
t2.pnr_no=t3.pnr_no join Station_Info t4 on t4.train_no =
t3.train_no where t4.name ='kolkata jnc';`

Q.4) Getting name, age, gender, pnr no, train no of users whose arrival time ="2022-08-11 09:10:00".

Ans.) select t2.name, t1.age, t1.gender,t2.pnr_no,t3.train_no
from User t1 join Passenger_Info t2 on
t1.user_id=t2.pass_id join Ticket_Info t3 on
t2.pnr_no=t3.pnr_no join Station_Info t4 on t4.train_no =
t3.train_no where t4.arrival_time ='2022-08-11 09:10:00' ;

Q5.) Getting name, age, gender, pnr no, train no of users
whose gender ="female".

Ans.) select t2.name, t1.age, t1.gender,t2.pnr_no,t3.train_no
from User t1 join Passenger_Info t2 on
t1.user_id=t2.pass_id join Ticket_Info t3 on
t2.pnr_no=t3.pnr_no where t1.gender = 'female';