

Elijah M

CS 410

HW 2

1)

a) Select passenger_ID from passenger where
passenger_city = 'Albany';

b) Select train-number, count(seat-number) from seat
Group by train-number having count(seat-number) > 1000

c) Select passenger_ID from passenger where
passenger-city = 'Albany' and passenger-ID not in (
Select passenger-ID from reservation where
arrival-station = 'ALB');

d) Select passenger_ID from passenger where
passenger-city = 'Albany' except (
select passenger-ID from reservation where
arrival-station = 'ALB');

e) Select passenger, passenger_ID from passenger
left outer join reservation
on reservation, passenger_ID = passenger, passenger-ID
Where passenger-city = 'Albany' and
reservation, passenger-ID is null

f) Update reservation
set fare = (
case when fare > 100 then fare - fare * .5
else fare - fare * .3
end)

Where departure-time between
'2020-04-01 00:00:00' and '2022-04-02 23:59:59'

g) select train-number, max(tot)
 from (select train-number, count(seat-number) as tot
 from seat
 group by train-number)
 group by train-number

h) select
 train-number
 from
 reservation
 where
 departure time between '2019-04-01 00:00:00'
 and '2019-04-01 23:59:59'
 group by train-number

2

a) train-number (count(seat-number) as ct ($ct > 1000$ (seat)))

b)