

Koby Miller

Section number: 11207

Assignment number: 5

Date due: 2/24/2020

Pre-note:

Sorry, I know a lot of this is wrong and it is incomplete. I have had a lot to do for school and life recently and this was lower on the scale of importance because I have been doing good in this class. I figured turning in what I have is better than just taking a 0 though. I am not saying this to try to try to get a better grade or anything, wreck me haha. We were given more than a fair amount of time and resources to get this done. I am just a kind of person that doesn't like to turn in crap work, but I kind of had to for this so I felt like I needed to say something about it. Anyways, have a good spring break!

1)

```
SELECT DISTINCT agent
FROM Booking
INNER JOIN Traveler ON traveler_ssn = ssn
WHERE traveler.name = 'pete';
```

2)

a. $\pi_{\text{name, phone}} \sigma_{\text{mycount}=\text{Max}} (\pi_{\text{mycount}} (\text{TravelAgent}) \bowtie (\text{Booking}))$

b.

c.

```
SELECT name, phone
FROM
(
    SELECT COUNT(traveler_ssn) AS mycount
    FROM TravelAgent
    JOIN Booking ON TravelAgent.name = Booking.agent
    GROUP BY agent
)
WHERE mycount =
(
```

```

SELECT MAX(mycount)
FROM
(
    SELECT name, phone, COUNT(name) mycount
    FROM TravelAgent
    JOIN Booking ON TravelAgent.name = Booking.agent
    GROUP BY agent
) T
);

```

3)

- a. $\pi_{\text{AVG}(\text{count})}(\pi_{\text{COUNT}(\text{id})}(\text{FormedBy}))$
- b.
- c.

```

SELECT AVG(count)
FROM
(
    SELECT COUNT(id) AS count
    FROM FormedBy
    GROUP BY id
) Average;

```

- 4) This one you would find the distinct start_location, and end location from the Trip table. Then you would join with the goes on table. Then join with the travelers table and the count the number of times each ssN is in that table. And return the max.