Week 5 - Wednesday Questions

1. List all customers who live in Texas (use JOINs):

Jennifer Davis
Kim Cruz
Richard Mccrary
Bryan Hardison
Ian Still

```sql
select customer.first_name, customer.last_name
from customer
inner join address
on customer.address_id = address.address_id
where district = 'Texas';
```

2. Get all payments above $6.99 with the Customer's Full Name.

*Note: about 1400 rows returned with customer name repeating depending on how many payments each customer made. Since the question asks for all payments, the query below should satisfy the conditions.

```sql
select customer.first_name, customer.last_name
from customer
inner join payment
on customer.customer_id = payment.customer_id
where amount > 6.99;
```

3. Show all customers' names who have made payments over $175 (use subqueries).

Rhonda Kennedy
Clara Shaw
Eleanor Hunt
Marion Snyder

Peter Menard
Tommy Collazo
Karl Seal

```sql
select customer.first_name, customer.last_name
from customer
where customer_id in (
        select customer_id
        from payment
        group by customer_id
        having SUM(amount) > 175
);
```

4. List all customers that live in Nepal (use the city table)

Kevin Schuler

```sql
select customer.first_name, customer.last_name, country
from customer
inner join address
on customer.address_id = address.address_id
inner join city
on address.city_id = city.city_id
inner join country
on city.country_id = country.country_id
where country = 'Nepal';
```

5. Which staff member had the most transactions?

Mike Hillyer: 8,040 transactions

```sql
select staff.first_name, staff.last_name, COUNT(rental_id)
from staff
inner join rental
on staff.staff_id = rental.staff_id
group by staff.staff_id;
```

6. How many movies of each rating are there?

NC-17	210
G	178
PG	194
R	195
PG-13	223

```sql
select rating, COUNT(film_id)
from film
group by rating;
```

7.Show all customers who have made a single payment above $6.99 (Use Subqueries)

688 customers (made a payment above 6.99)

```sql
select customer_id, first_name, last_name
from (
        select c.customer_id, first_name, c.last_name,  p.amount,
COUNT(p.payment_id) as pay_count
        from customer c
        inner join payment p
        on p.customer_id = c.customer_id
        group by 1,2,3,4
) as customer_payments
where pay_count = 1 and amount > 6.99;
```

8. How many free rentals did our stores give away?

24 free rentals

```sql
select COUNT(rental_id)
from payment
where amount = 0;
```