```sql
-- First query, we will select all the records from the actor table
select * from actor

-- Query for first_name and last_name in the actor table
select FIRST_NAME,LAST_NAME
from ACTOR;

-- Query for a first_name that equals Nick using the WHERE clause
select FIRST_NAME, LAST_NAME
from ACTOR
where FIRST_NAME like 'Nick';

-- Query for a first_name that equals Nick using the WHERE clause with =
select FIRST_NAME, LAST_NAME
from actor
where FIRST_NAME = 'Nick';

-- Query for all first_name data that starts with a 'J' using LIKE and WHERE
clause and a wildcard
select FIRST_NAME,ACTOR_ID
from actor
where FIRST_NAME like 'J%';

-- Query for all first_name data that starts with a 'K' and has 2 letters
after the 'K'
-- again using LIKE and WHERE clauses and the underscore
select FIRST_NAME,ACTOR_ID
from actor
where FIRST_NAME like 'K__';

-- Query for all first_name data that starts with a 'K' and ends with 'th'
using the LIKE and WHERE clauses using both the wildcard and underscore
select FIRST_NAME, LAST_NAME, ACTOR_ID
from actor
where first_name like 'K__%th';

-- Comparing Operators
-- >,<,>=,<=,<>

-- Explore data with select all query so we can change into a new table
select * from payment;

-- Query for data that shows customers who paid an amount GREATER than $2
select CUSTOMER_ID, AMOUNT
from payment
where AMOUNT > 2.00;

-- Query for data that shows customers who paid an amount less than 7.99
```

```sql
select customer_id, amount
from payment
where AMOUNT < 7.99;

-- Query for less than or equal to 7.99
select customer_id, amount
from payment
where AMOUNT <= 7.99;

-- Greater than or equal to $2.00
select customer_id, amount
from payment
where AMOUNT >= 2.00;

-- Query for data that shows customers who paid an amount not equal to $0,
ordered in descending order
select customer_id, amount
from payment
where amount <> 0.00
order by amount desc;

-- SQL Aggregate Functions: Sum, avg, count, min, max
-- Query to display sum of amounts paid that are greater than 5.99
select sum(amount)
from payment
where amount > 5.99;

-- Query to display the average of amounts paid greater than 5.99
select avg(amount)
from payment
where amount > 5.99;

-- Query to display the count of amounts paid greater than 5.99
select count(amount) from payment where amount > 5.99;

-- Query to display the count of disctint amounts paid greater than 5.99
select count(distinct amount) from payment where AMOUNT > 5.99;

-- Query to display min amount greater than 7.99
select min(amount) as min_num_payments
from payment
where amount > 7.99;

-- Query to display max amount greater than 7.99
select max(amount) as max_num_payments
from payment
where amount > 7.99;
```

```sql
-- Demo of group by
select amount
from payment
where amount = 7.99;

-- Query to display different amounts grouped together and count the amounts
select amount, count(amount)
from payment
group by amount
order by amount;

-- Query to display customer_id with sum(amount) for each customer id
select customer_id, sum(amount)
from payment
group by customer_id
order by customer_id desc;

-- Question 1
select * from actor

select FIRST_NAME,LAST_NAME
from actor
where LAST_NAME = 'Wahlberg';

-- Question 2
select * from payment;

select count(amount) from payment where amount between 3.99 and 5.99;

-- Question 3
select * from inventory;

select film_id, count(inventory_id)
from inventory
group by film_id order by count(inventory_id) desc;

-- Question 4
select * from customers;

select *
from customers
where last_name = 'Williams';


-- Question 5
select * from rental;

select staff_id, count(staff_id)
```

```sql
from rental
group by staff_id
order by count(staff_id) desc;

-- Question 6
select * from address;

select count(distinct district)
from address

-- Question 7

select * from film_actor;

select film_id, count(film_id)
from film_actor
group by film_id order by count(film_id) desc;

-- Question 8
select first_name, last_name, store_id
from customer
where last_name like '%_es'
order by store_id asc;

select * from film;

-- Question 10
select rating, count(rating)
from film
group by rating
order by count(rating) desc;

-- Question 9 [I went through several different attempts at this. I think
the last one was my successful one.]
select customer_id, amount, count(amount)
from payment
where customer_id > 380 and customer_id < 430
group by amount, customer_id
order by amount desc;

select amount, count(amount)
from payment
where customer_id > 380 and customer_id < 430
group by amount
order by count(amount) desc;
```