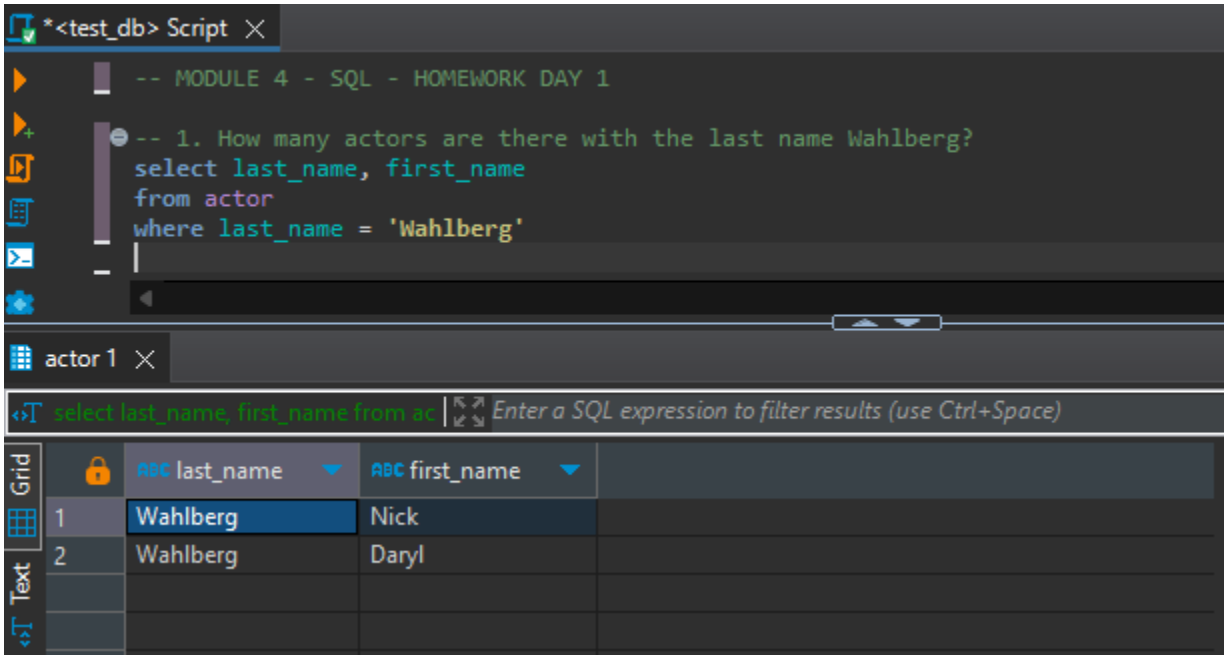
Week 5 - Monday Questions

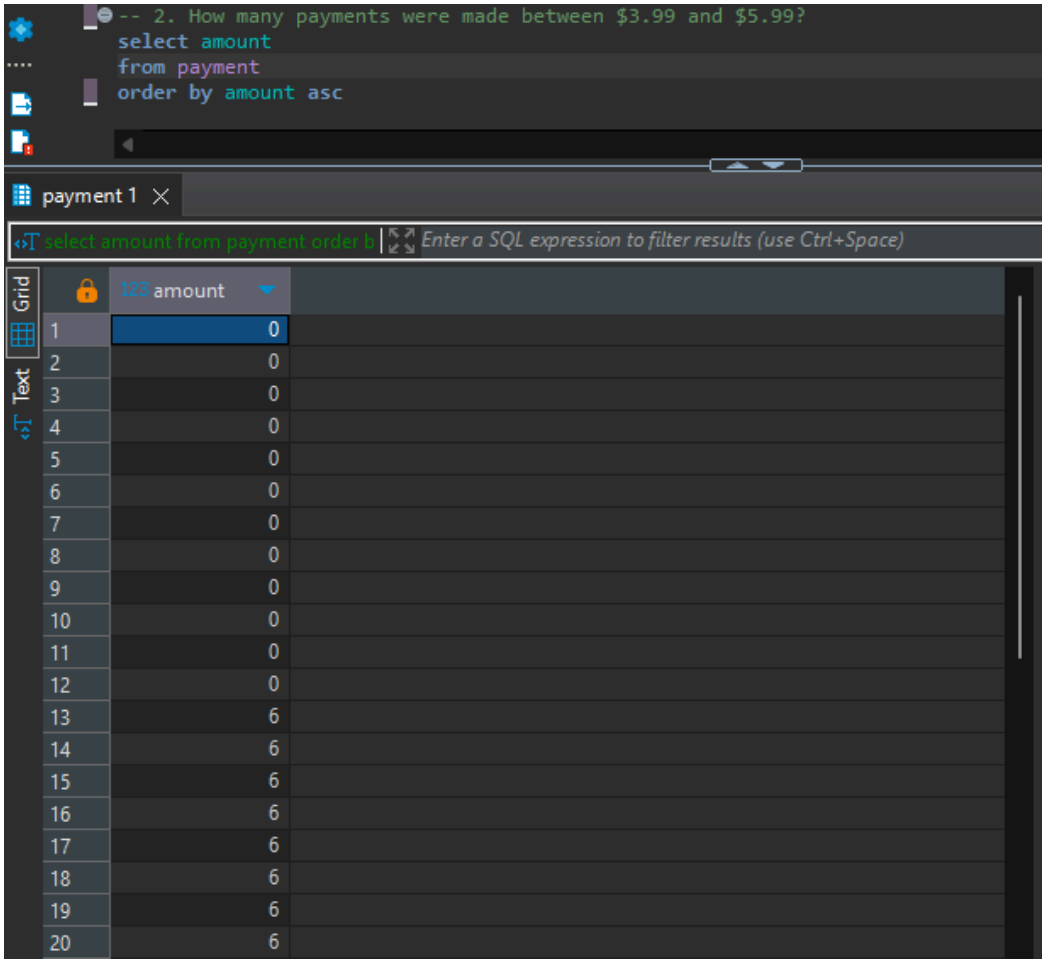
1. How many actors are there with the last name 'Wahlberg'?

2



2. How many payments were made between $3.99 and $5.99?

0



3. What film does the store have the most of? (search in inventory)

Inventory IDs: 4,574 | 4,578 | 4,579 | 4,580 | 4,581 | 4,577 | 4,576 & 4,575 all have 1,000

(looking at the data for the entire inventory table it looks like the inventory_id would be the name of the movie as these went in numerical order and film_id would be the quantity as there were repeat numbers)

```
-- 3. What film does the store have the most of? (search in inventory)
select *
from inventory

select inventory_id, film_id
from inventory
order by film_id desc
```

inventory 1

select inventory_id, film_id from inve | Enter a SQL expression to filter results (use Ctrl+Space)

	inventory_id	film_id
1	4,574	1,000
2	4,578	1,000
3	4,579	1,000
4	4,580	1,000
5	4,581	1,000
6	4,577	1,000
7	4,576	1,000
8	4,575	1,000
9	4,570	999
10	4,573	999
11	4,572	999
12	4,571	999
13	4,569	999
14	4,568	998
15	4,567	998

4. How many customers have the last name ‘William’?

None

```
-- 4. How many customers have the last name William?
select last_name
from customers
where last_name like 'william'

select *
from customers
```

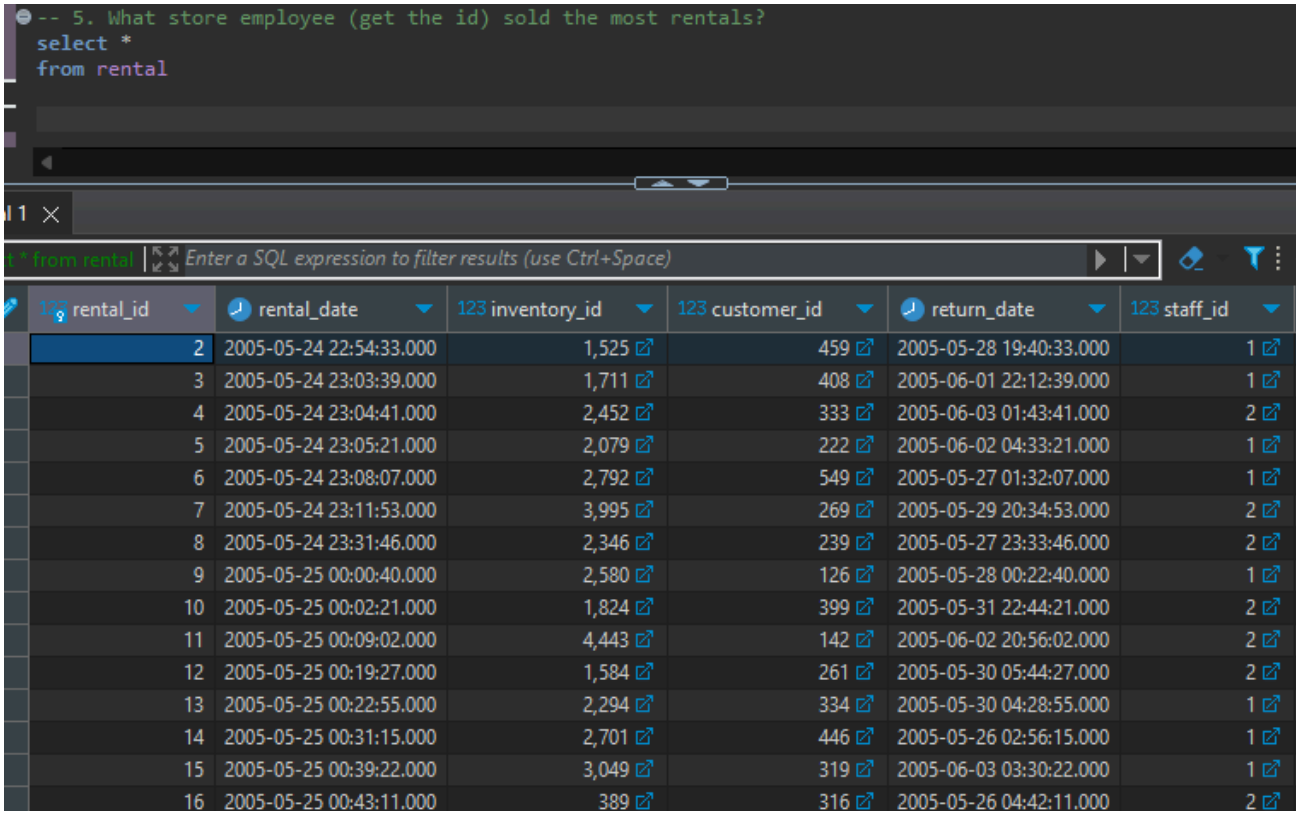
omers 1

ct * from customers | Enter a SQL expression to filter results (use Ctrl+Space)

customer_id	first_name	last_name	address	city
1	Charles	Woodson	123 Stadium Street	Ann Arbor
3	Desmond	Howard	789 Stadium Street	Ann Arbor
4	Blake	Corum	375 Rams Ave	Los Angeles
2	Tom	Brady	456 Stadium Street	Ann Arbor

5. What store employee (get the id) sold the most rentals?

I am not sure "from" where I am supposed to be looking for the data? The "rental" table has staff_id but there isn't a column for staff_id total sales. "Sales" table isn't showing me any data.

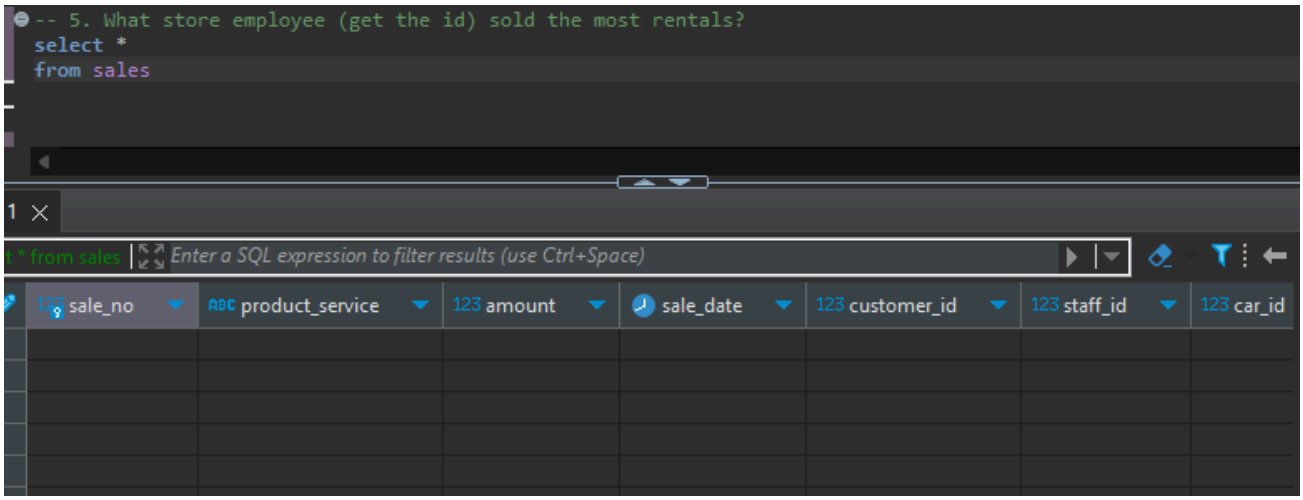


```
-- 5. What store employee (get the id) sold the most rentals?
select *
from rental
```

1 ×

t * from rental | Enter a SQL expression to filter results (use Ctrl+Space)

rental_id	rental_date	inventory_id	customer_id	return_date	staff_id
2	2005-05-24 22:54:33.000	1,525	459	2005-05-28 19:40:33.000	1
3	2005-05-24 23:03:39.000	1,711	408	2005-06-01 22:12:39.000	1
4	2005-05-24 23:04:41.000	2,452	333	2005-06-03 01:43:41.000	2
5	2005-05-24 23:05:21.000	2,079	222	2005-06-02 04:33:21.000	1
6	2005-05-24 23:08:07.000	2,792	549	2005-05-27 01:32:07.000	1
7	2005-05-24 23:11:53.000	3,995	269	2005-05-29 20:34:53.000	2
8	2005-05-24 23:31:46.000	2,346	239	2005-05-27 23:33:46.000	2
9	2005-05-25 00:00:40.000	2,580	126	2005-05-28 00:22:40.000	1
10	2005-05-25 00:02:21.000	1,824	399	2005-05-31 22:44:21.000	2
11	2005-05-25 00:09:02.000	4,443	142	2005-06-02 20:56:02.000	2
12	2005-05-25 00:19:27.000	1,584	261	2005-05-30 05:44:27.000	2
13	2005-05-25 00:22:55.000	2,294	334	2005-05-30 04:28:55.000	1
14	2005-05-25 00:31:15.000	2,701	446	2005-05-26 02:56:15.000	1
15	2005-05-25 00:39:22.000	3,049	319	2005-06-03 03:30:22.000	1
16	2005-05-25 00:43:11.000	389	316	2005-05-26 04:42:11.000	2



```
-- 5. What store employee (get the id) sold the most rentals?
select *
from sales
```

1 ×

t * from sales | Enter a SQL expression to filter results (use Ctrl+Space)

sale_no	product_service	amount	sale_date	customer_id	staff_id	car_id

6. How many different district names are there?

What table am I supposed to be getting the data from?

7. What film has the most actors in it? (use film_actor table and get film_id)

film_id: 993

```
-- 7. What film has the most actors in it?
select film_id, actor_id
from film_actor
order by actor_id desc
```

film_actor 1

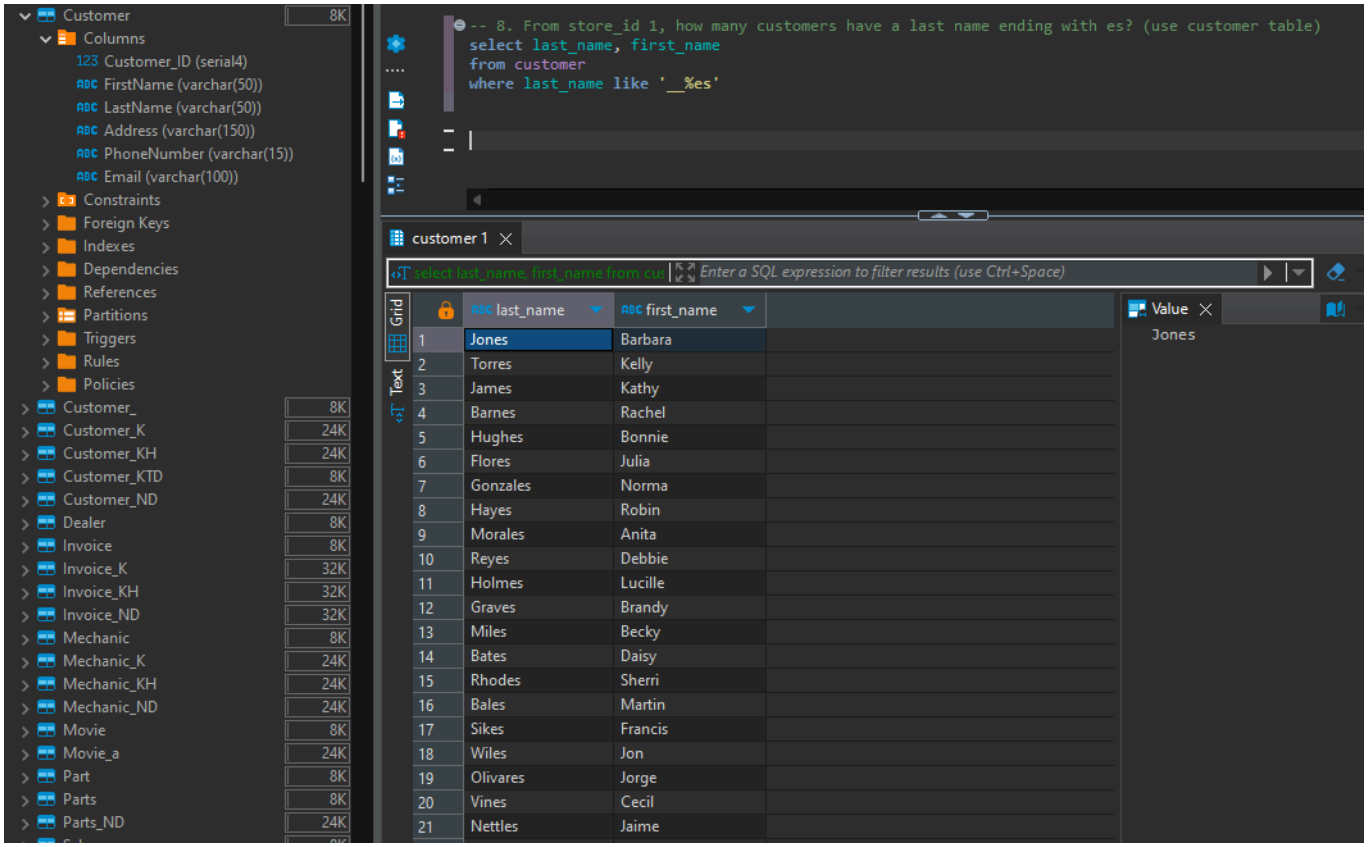
select film_id, actor_id from film_actc | Enter a SQL expression to filter results (use Ctrl+Space)

Grid | Text

	film_id	actor_id
1	993	200
2	958	200
3	945	200
4	912	200
5	879	200
6	714	200
7	544	200
8	538	200
9	537	200
10	474	200
11	465	200

8. From store_id 1, how many customers have a last name ending with ‘es’? (use customer table)

There is no store_id column. 21 customers have a last name ending in es



9. How many payment amounts (4.99, 5.99, etc.) had a number of rentals above 250 for customers with ids between 380 and 430? (use group by and having > 250)

Not sure? I had the below but got an error

```
select customer_id, rental_id, amount
from payment
where rental_id > 250
group by customer_id
```

10. Within the film table, how many rating categories are there? And what rating has the most movies total?

Doing something wrong but not sure what

```
select rating, sum(rating)
from film
group by rating
```