

-- Lab SQL Joins on multiple tables

-- 1

```
select a.store_id, city, country
from store as a
join address as b
on a.address_id = b.address_id
join city as c
on b.city_id = c.city_id
join country as d
on c.country_id = d.country_id;
```

-- 2

```
select store_id, sum(amount)
from payment as a
join rental as b
on a.rental_id = b.rental_id
join staff as c
on b.staff_id = c.staff_id
group by store_id;
```

-- 3

```
select c.name, avg(length)
from film as a
join film_category as b
on a.film_id = b.film_id
join category as c
on b.category_id = c.category_id
group by c.name;
```

-- 4

```
select c.name, avg(length)
from film as a
join film_category as b
on a.film_id = b.film_id
join category as c
on b.category_id = c.category_id
group by c.name
order by avg(length) desc;
```

-- 5

```
select title, count(rental_id)
from rental as a
join inventory as b
on a.inventory_id = b.inventory_id
join film as c
on b.film_id = c.film_id
group by c.film_id
order by count(rental_id) desc;
```

```
-- 6
select f.name, sum(amount) -- f.name, sum(amount) as Gross_Revenue
from payment as d
join rental as a
on d.rental_id = a.rental_id
join inventory as b
on a.inventory_id = b.inventory_id
join film as c
on b.film_id = c.film_id
join film_category as e
on c.film_id = e.film_id
join category as f
on e.category_id = f.category_id
group by f.name
order by sum(amount) desc
limit 5;
```

```
select sum(amount)
from payment;
```

```
-- 7
```

```
select *
from inventory
where film_id = '1'
;
```

```
select rental_id ,rental_date, title, return_date, a.store_id, c.inventory_id
from inventory as a
join film as b
on a.film_id = b.film_id
join rental as c
on a.inventory_id = c.inventory_id
where title = "Academy Dinosaur";
```