

-- Lab Aggrevation Revisited --

-- 1

```
select first_name, last_name, email
from rental as a
join customer as b
on a.customer_id = b.customer_id
group by email, first_name, last_name
;
```

-- 2

```
select a.customer_id, concat(first_name, ' ', last_name) as customer_name,
avg(amount) as average_payment
from payment as a
join customer as b
on a.customer_id = b.customer_id
group by a.customer_id, customer_name;
```

-- 3

```
select concat(first_name, ' ', last_name) as customer_name, email
from rental as a
join customer as b
on a.customer_id = b.customer_id
join inventory as c
on a.inventory_id = c.inventory_id
join film as d
on c.film_id = d.film_id
join film_category as e
on d.film_id = e.film_id
join category as f
on e.category_id = f.category_id
where f.name = 'Action'
group by customer_name, email;
```

-- 3 continue

```
select CONCAT(last_name, ' ', first_name) as Name, email as email
from customer
where customer_id in (select customer_id
                      from rental
                      where inventory_id in (select inventory_id
                                             from inventory
                                             where film_id in (select film_id
                                                                from film_category
                                                                where category_id in (select category_id
                                                                 from category
                                                                 where name = 'Action'))))
group by customer_id
order by Name;
```

```
-- 4
select *,
(case when amount < 2 Then 'Low'
when amount > 4 Then 'High'
ELSE 'medium'
end) as Payment_class
from payment;
```