

```
select
    market_date,
    customer_id,
    product_id
from `market.customer_purchases`
group by market_date, customer_id

-- Question: Calculate the total price paid by
customer_id 3 per
-- market_date.

select
    market_date,
    sum(quantity*cost_to_customer_per_qty) as total_spent
from `market.customer_purchases`
where customer_id = 3
group by market_date

-- Question: What if we wanted to determine how much each
-- customer had spent at each vendor, regardless of date?
```

```
select  
    customer_id,  
    vendor_id,  
    sum(quantity*cost_to_customer_per_qty) as total_spent  
from `market.customer_purchases`  
group by customer_id, vendor_id
```

-- Question: Count how many products were for sale on each market

-- date,

```
select  
    market_date,  
    count(product_id) as product_count  
from `market.vendor_inventory`  
group by market_date
```

-- how many different products each vendor offered between 2019-04-03 and 2019-05-16

```
select
  vendor_id,
  count(distinct product_id) as different_products
from `market.vendor_inventory`
where
  market_date between "2019-04-03" and "2019-05-16"
group by vendor_id
```

-- Question: Filter out vendors who brought at least 100 items from
-- the farmer's market over the period - 2019-05-02 and 2019-05-16.

```
select
  vendor_id,
  sum(quantity) as total_items
from `market.vendor_inventory`
where market_date between "2019-05-02" and "2019-05-16"
group by vendor_id
having total_items >= 100
```

```
-- Question: Find the average amount spent on each market day. We  
-- want to consider only those days where the number of purchases  
-- were more than 3 and every single transaction amount must be  
-- greater than 5.
```

```
select  
    market_date,  
    round(avg(quantity*cost_to_customer_per_qty),2) as  
    avg_spent  
from `market.customer_purchases`  
where quantity*cost_to_customer_per_qty > 5  
group by market_date  
having count(*) > 3
```

```
select  
    market_date, count(*)  
from `market.customer_purchases`  
group by market_date
```

```
select *  
from `market.customer_purchases`  
limit 5
```