

```
-- Question: Return a list of customers with the following last names:
-- [Diaz, Edwards, Wilson]
```

```
select
    customer_first_name,
    customer_last_name
from `market.customer`
where customer_last_name IN ("Diaz", "Edwards" , "Wilson")
```

```
-- Question: Return a list of customers except with the following last names:
-- [Diaz, Edwards, Wilson]
```

```
select
    customer_first_name,
    customer_last_name
from `market.customer`
where customer_last_name Not IN ("Diaz", "Edwards" , "Wilson")
```

```
select
    customer_first_name,
    customer_last_name
from `market.customer`
where lower(customer_last_name) IN ("diaz", "edwards" , "wilson")
```

```
select
    customer_first_name,
    customer_last_name
from `market.customer`
where upper(customer_last_name) IN ("DIAZ", "EDWARDS" , "WILSON")
```

```
-- Questions: Your manager wants to see all the unique customer IDs
-- present in the `customer_purchases` table. How would you get
-- this data?
```

```
select
    distinct customer_id
from `market.customer_purchases`
```

-- Q: Give the first names of all the customers whose name starts with 'jer'

```
select
    customer_first_name
from `market.customer`
where lower(customer_first_name) LIKE 'jer%'
```

-- Question: Find all of the products from the `product` table which
-- don't have their sizes mentioned

```
select *
from `market.product`
```

```
select
    *
from `market.product`
where product_size IS NULL
```

```
select
    *
from `market.product`
where
    product_size IS NULL
    OR
    TRIM(product_size) = ""
```

```
select TRIM("  AJ ")
```

```
select TRIM("    ")
```

```
-- Question: What if you're asked to fetch all the product IDs from the
-- `products` table and set a default value "medium" in rows where
-- the product size is NULL?
```

```
select
  product_id,
  ifnull(product_size, "medium")
from `market.product`
```

```
-- Question: Analyze purchases made at the market on days when it
-- rained.
```

```
select
  *
from `market.market_date_info`
limit 1
```

```
select
  market_date,
  market_rain_flag
from `market.market_date_info`
where market_rain_flag = 1
```

```
select
  market_date
from `market.market_date_info`
where market_rain_flag = 1
```

```

select
    *
from `market.customer_purchases`
where market_date IN (select
                        market_date
                        from `market.market_date_info`
                        where market_rain_flag = 1
                      )

```

```

-- Question: List down all the product details where
-- product_category_name contains "Fresh" in it.

```

```

select
    product_category_id,
    product_category_name
from `market.product_category`
where lower(product_category_name) LIKE '%fresh%'

```

```

select
    *
from `market.product`
where product_category_id IN (
    select
        product_category_id
    from `market.product_category`
    where lower(product_category_name) LIKE '%fresh%'
)

```

```

-- Question: Find out which vendors primarily sell fresh products and
-- which don't.

```

```

select
    *
from `market.vendor`

```

```

select
  vendor_id,
  vendor_name,
  vendor_type,
  case
    when lower(vendor_type) LIKE '%fresh%'
    THEN 1
    else 0
  end as is_fresh
from `market.vendor`

```

```

select
  vendor_id,
  vendor_name,
  vendor_type,
  case
    when lower(vendor_type) LIKE '%fresh%'
    THEN "FRESH"
    else "NOT FRESH"
  end as is_fresh
from `market.vendor`

```

```

select
  *,
  IF(lower(vendor_type) LIKE '%fresh%', 1, 0) as is_fresh
from `market.vendor`

```

```

-- Question: Put the total cost to customer purchases into bins of -
-- • under $5.00,
-- • $5.00-$9.99,
-- • $10.00-$19.99, or
-- • $20.00 and over.

```

```
select
  market_date,
  customer_id,
  quantity,
  cost_to_customer_per_qty,
  quantity*cost_to_customer_per_qty as total,
case
  when quantity*cost_to_customer_per_qty < 5
  then "Under 5$"
  when quantity*cost_to_customer_per_qty between 5 and 9.99
  then "$5.00-$9.99"
  when quantity*cost_to_customer_per_qty between 10 and 19.99
  then "$10.00-$19.99"
  else "$20.00 and over"
end as price_bin
from `market.customer_purchases`
```