## Question: List down all the Product details where product_category contains ‘Fresh’.

```
SELECT *
FROM `farmers_market.product`
WHERE product_category_id IN
(SELECT product_category_id
FROM `farmers_market.product_category`
WHERE lower(product_category_name) LIKE "%fresh%");
```

## Question: Find out which vendors primarily sell fresh produce and which don’t.

```
SELECT vendor_id,
 vendor_name,
 vendor_type,
 CASE
   WHEN lower(vendor_type) LIKE "%fresh%"
   THEN "Fresh Produce"
   ELSE "Other"
 END AS is_fresh
FROM `farmers_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
 customer_id,
 quantity,
```

```
 cost_to_customer_per_qty,
 quantity * cost_to_customer_per_qty AS total_amt,
 CASE
   WHEN quantity * cost_to_customer_per_qty BETWEEN 0 AND 4.99
   THEN "Under $5.00"
   WHEN quantity * cost_to_customer_per_qty BETWEEN 5 AND 9.99
   THEN "$5.00 - $10.00"
   WHEN quantity * cost_to_customer_per_qty BETWEEN 10 AND 19.99
   THEN "$10.00 - $20.00"
   ELSE "$20.00 and Above"
 END AS price_bins
FROM `farmers_market.customer_purchases`
```

```
SELECT vendor_id,
 vendor_name,
 vendor_type,
 IF(lower(vendor_type) LIKE "%fresh%", "Fresh Produce", "Other") AS is_fresh
FROM `farmers_market.vendor`;
```

## Question: List all the products along with their product category name.

```
SELECT
 p.product_id,
 p.product_name,
 pc.product_category_id,
 pc.product_category_name
FROM `farmers_market.product` AS p
JOIN `farmers_market.product_category` AS pc
ON p.product_category_id = pc.product_category_id
```

## Question: Get a list of customers' zip codes who made a purchase on 2019-04-06.

```
SELECT
 c.customer_id,
 cp.market_date,
 c.customer_zip
FROM `farmers_market.customer_purchases` AS cp
JOIN `farmers_market.customer` AS c
ON cp.customer_id = c.customer_id
WHERE market_date = "2019-04-03"
```

## Question: Find out the customers who are

1. new to the market.
2. Or have deleted their account from the market.

1.

```
SELECT
 c.customer_id,
 c.customer_zip,
 cp.market_date,
 cp.customer_id,
 cp.product_id
FROM customer AS c
LEFT JOIN customer_purchases AS cp
ON c.customer_id = cp.customer_id
WHERE cp.customer_id IS NULL
```

2. 

```
SELECT
 c.customer_id,
 c.customer_zip,
 cp.market_date,
 cp.customer_id,
```

```
 cp.product_id
FROM customer_purchases AS c
LEFT JOIN customer AS cp
ON cp.customer_id = c.customer_id
WHERE c.customer_id IS NULL
```