Subqueries and Joins

What if we want to add 1 for vendors who sell fresh products and 0 those who don’t?

```
SELECT
 vendor_id,
 vendor_name,
 vendor_type,
 CASE
   WHEN LOWER(vendor_type) LIKE "%fresh%"
   THEN 1
   ELSE 0
 END AS if_fresh
FROM `farmers_market.vendor`
```

Using IF()

```
SELECT
 vendor_id,
 vendor_name,
 vendor_type,
 IF(lower(vendor_type) LIKE "%fresh%", 1,
0) AS if_fresh
FROM `farmers_market.vendor`
```

Put the total cost to customer purchases into following bins:

- under $5.00,
- $5.00–$9.99,
- $10.00–$19.99, or
- $20.00 and over.

Find out purchases made at the market on days when it rained.

```
SELECT
 *
FROM `farmers_market.customer_purchases`
WHERE market_date IN (
 SELECT
   market_date
 FROM `farmers_market.mdi`
 WHERE market_rain_flag = 1)
```

List down all the product details where product_category_name contains fresh in it.

```
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%"
)
```

List all the products along with their product_category names.

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

Find out all the customers who have not ordered anything yet.

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