Wolt Internship assignment SQL tasks

Task 1: Calculate number of users registered in Finland in the last 30 days.

```
SELECT COUNT(User_id) AS Users_in_Finland
FROM Users
WHERE User_registration_timestamp_utc >=GETUTCDATE() - INTERVAL 30 DAY
AND User_country=  'Finland'
GROUP BY User_country;
```

Task 2: Count the number of users who have made at least one purchase in the past
30 days, where their purchases include more than one unique product.

```
SELECT COUNT(User_id) AS Number_of_users
FROM Sales s
JOIN Purchases p ON s.Purchase_id = p.Purchase_id
WHERE Timestamp_utc >=GETUTCDATE() - INTERVAL 30 DAY
GROUP BY User_id
HAVING COUNT(DISTINCT Product_id)>= 2;
```

Task 3: Retrieve the most recent price for each purchased product. Bonus points if you can provide two different methods to achieve this.

Method 1:

```
WITH new_table AS (
    SELECT p.Product_id AS Product, p.Price AS Price,
              ROW_NUMBER() OVER (PARTITION BY p.Product_id ORDER BY
s.Timestamp_utc DESC) AS rn
    FROM Sales s
    JOIN Purchases p ON s.Purchase_id = p.Purchase_id
)

SELECT Product, Price
FROM new_table
WHERE rn = 1;
```

Method 2:

```
SELECT Product, Price
FROM (
    SELECT p.Product_id AS Product, p.Price AS Price,
ROW_NUMBER() OVER (PARTITION BY p.Product_id ORDER BY
s.Timestamp_utc DESC) AS rn
    FROM Sales s
    JOIN Purchases p ON s.Purchase_id = p.Purchase_id
)
WHERE rn=1;
```