1. Liang-Po Yen ly2665; Kyaw Khaung Myo Lwin kl3631
2. PostgreSQL account name: ly2665
3. Three queries:

a. Calculate the average sale price and number of sales for each borough in 2024

```
SELECT
   ga.borough_code,
   COUNT(s.sale_id) AS total_sales,
   AVG(s.sale_price) AS avg_sale_price,
   MIN(s.sale_price) AS min_sale_price,
   MAX(s.sale_price) AS max_sale_price
FROM
   Sale s
   JOIN Property p ON s.property_id = p.property_id
   JOIN Geographic_Area ga ON p.geographic_id = ga.geographic_id
WHERE
   s.sale_date >= '2024-01-01'
   AND s.sale_date <= '2024-12-31'
GROUP BY
   ga.borough_code
ORDER BY
   avg_sale_price DESC;
```

b. Count how many service requests each agency handles and break down by status (Open, Closed, etc.)

```
SELECT
   a.agency_code,
   a.agency_name,
   sr.status,
   COUNT(*) AS request_count
FROM
   Service_Request sr
   JOIN Agency a ON sr.agency_code = a.agency_code
WHERE
   sr.created_date >= '2024-01-01'
GROUP BY
   a.agency_code, a.agency_name, sr.status
ORDER BY
   a.agency_code, request_count DESC;
```

c. Find properties that were sold more than once in 2024, showing property details and sale information

```sql
SELECT
   p.property_id,
   p.property_address,
   ga.borough_code,
   ga.block_code,
   ga.lot_code,
   COUNT(s.sale_id) AS number_of_sales,
   MIN(s.sale_price) AS first_sale_price,
   MAX(s.sale_price) AS last_sale_price
FROM
   Property p
   JOIN Geographic_Area ga ON p.geographic_id = ga.geographic_id
   JOIN Sale s ON p.property_id = s.property_id
WHERE
   s.sale_date >= '2024-01-01'
   AND s.sale_date <= '2024-12-31'
GROUP BY
   p.property_id, p.property_address, ga.borough_code, ga.block_code, ga.lot_code
HAVING
   COUNT(s.sale_id) > 1
ORDER BY
   number_of_sales DESC, last_sale_price DESC;
```