Structure
Data Query Language

```
SELECT * | SEVERAL COLUMNS
     NAMA_TABLE.NAMA_KOLOM AS NAMA_ALIAS
FROM NAMA_TABEL_SEMESTA
```

REQUEST STATEMENT

JOIN STATEMENT

```
JOIN NAMA_TABEL ON
NAMA_KOLOM.NAMA_TABEL_PENGHUBUNG1=NAMA_KOLOM.NAMA_TABEL_PENGHUBUNG2
```

```
WHERE (CONDITION)
     AND(CONDITION)
     OR (CONDITION)
```

FILTER STATEMENT

```
GROUP BY ( )
ORDER BY ( )
```

GROUP and SORT STATEMENT

GROUP BY digunakan **harus bersamaan dengan fungsi aggregasi*
*Fungsi aggregasi = (**SUM, COUNT, AVERAGE**)*

HANDS ON 1

theLook eCommerce

BigQuery Public Data

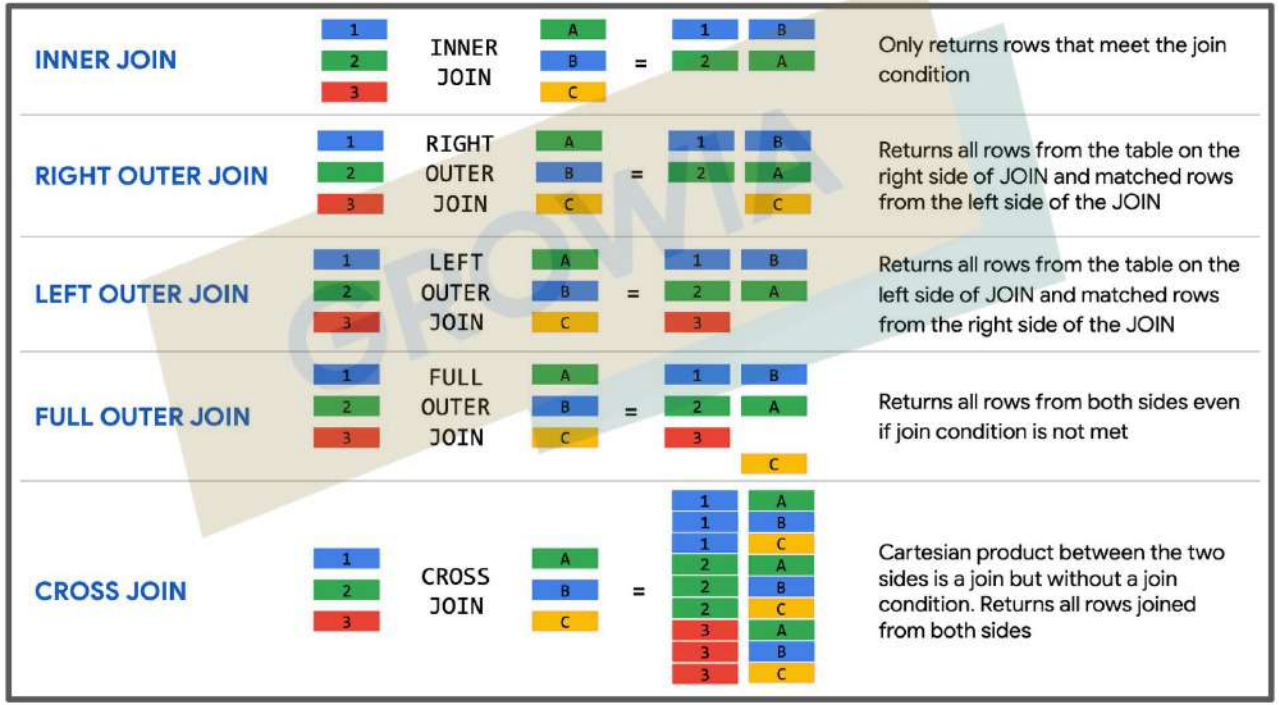
Synthetic eCommerce and Digital Marketing data

VIEW DATASET

1. *Akses URL → cloud.google.com/bigquery*
2. *Go to console*
3. *Create your own project*
4. *Go to Bigquery*
5. *Go to SQL Workspace*
6. *Run your query*

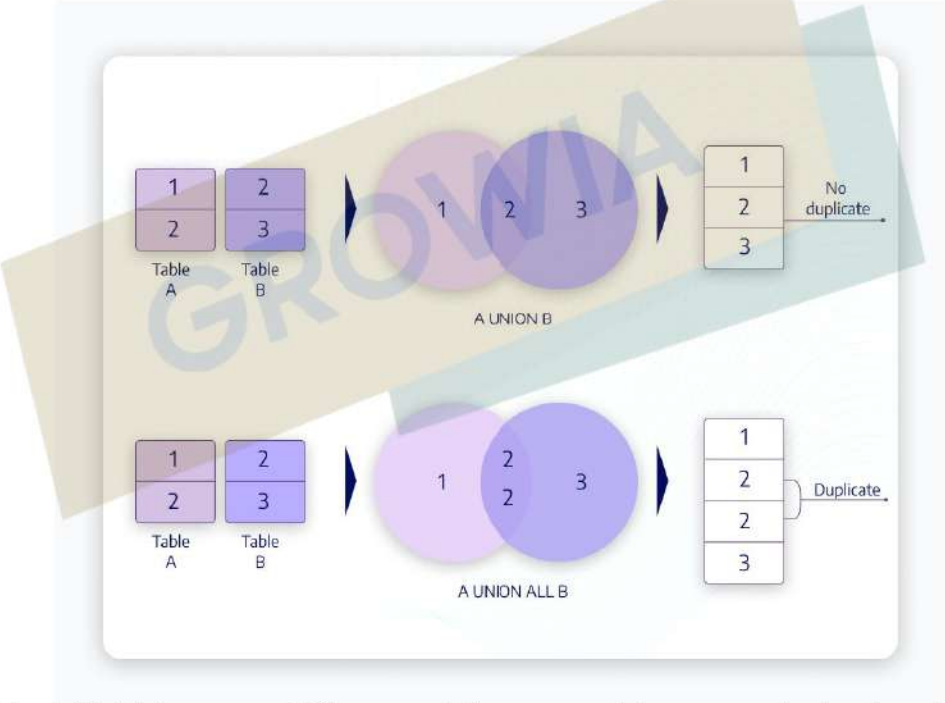
```
--Example of Query Execution
SELECT
country,
COUNT(DISTINCT id) jumlah_customer
FROM
`bigquery-public-data.thelook_ecommerce.users`u
WHERE
country = 'Brasil' OR age >= 25 AND gender = 'F'
GROUP BY country
ORDER BY country DESC
```

JOIN CONDITION



UNION CONDITION

UNION vs UNION ALL



HANDS ON 2

theLook eCommerce

BigQuery Public Data

Synthetic eCommerce and Digital Marketing data

VIEW DATASET

1. ***Akses URL → cloud.google.com/bigquery***
2. ***Go to console***
3. ***Create your own project***
4. ***Go to Bigquery***
5. ***Go to SQL Workspace***
6. ***Run your query***

```sql
--Example of Query Execution
SELECT
country,
COUNT(DISTINCT id) jumlah_customer
FROM
`bigquery-public-data.thelook_ecommerce.users`u
WHERE
country = 'Brasil' OR age >= 25 AND gender = 'F'
GROUP BY country
ORDER BY country DESC
```

CONCLUSION

1. **SQL statements are not case-sensitive;**
2. **SQL statements can be on one or more lines;**
3. **Keywords cannot be abbreviated or split across lines;**
4. **Clauses are usually placed on separate lines;**
5. **Indents are used to enhance readability;**
6. **SQL statements can optionally be terminated by a semicolon (;).**
7. **Semicolons are required if you execute multiple SQL statements;**
8. **You are required to end each SQL statement with a semicolon (;).**

GROWIA

THANK YOU