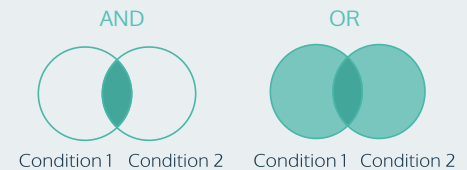## Queries

Basic commands to retrieve information

```
SELECT column1, column2
FROM table
WHERE condition
ORDER BY column1 ASC/DESC
LIMIT n;
```

- =, !=, >, <, >=, <=
- LIKE 'Se_en'
- LIKE 'A%'
- BETWEEN 1990 AND 2000
- IS NULL, IS NOT NULL

AND — Condition 1 Condition 2

OR — Condition 1 Condition 2

Aggregate Functions

Calculations performed on multiple rows

- COUNT(column)
- SUM(column)
- MAX(column)
- MIN(column)
- AVG(column)
- ROUND(column, n)

```
SELECT column1, COUNT (column2)
FROM table
WHERE condition
GROUP BY 1
HAVING condition
ORDER BY 2
LIMIT n;
```

Notes:

Multiple Tables

Join tables that have relationships with one another

Primary Key vs Foreign Key

Notes:

C1	C2	C2	C3
A	B	B	C
Q	W	E	R
X	Y	Y	Z

INNER JOIN

C1	C2	C3
A	B	C
X	Y	Z

```
SELECT *
FROM table1
JOIN table2
ON table1.column = table2.column;
```

LEFT JOIN

C1	C2	C3
A	B	C
Q	W	
X	Y	Z

```
SELECT *
FROM table1
LEFT JOIN table2
ON table1.column = table2.column;
```

Full Color Palette