kokchun giang

filtering data to get more meaningful results



using WHERE clause to filter rows based on conditions

```
SELECT

COUNT(*)

FROM

main.data_jobs

WHERE

salary_in_usd < 50000 ;

comparison condition

with an upper bound
```

```
FROM

main.data_jobs

WHERE

experience_level = 'EN';

equality

condition
```

logical operators to combine multiple conditions allowing for complex filtering criteria

```
SELECT
    count(*)
FROM
    main.data_jobs
WHERE
    experience_level = 'Senior'
    OR experience_level = 'Expert';
```

logical operator OR means experience_level can be either 'Senior' or 'Expert'

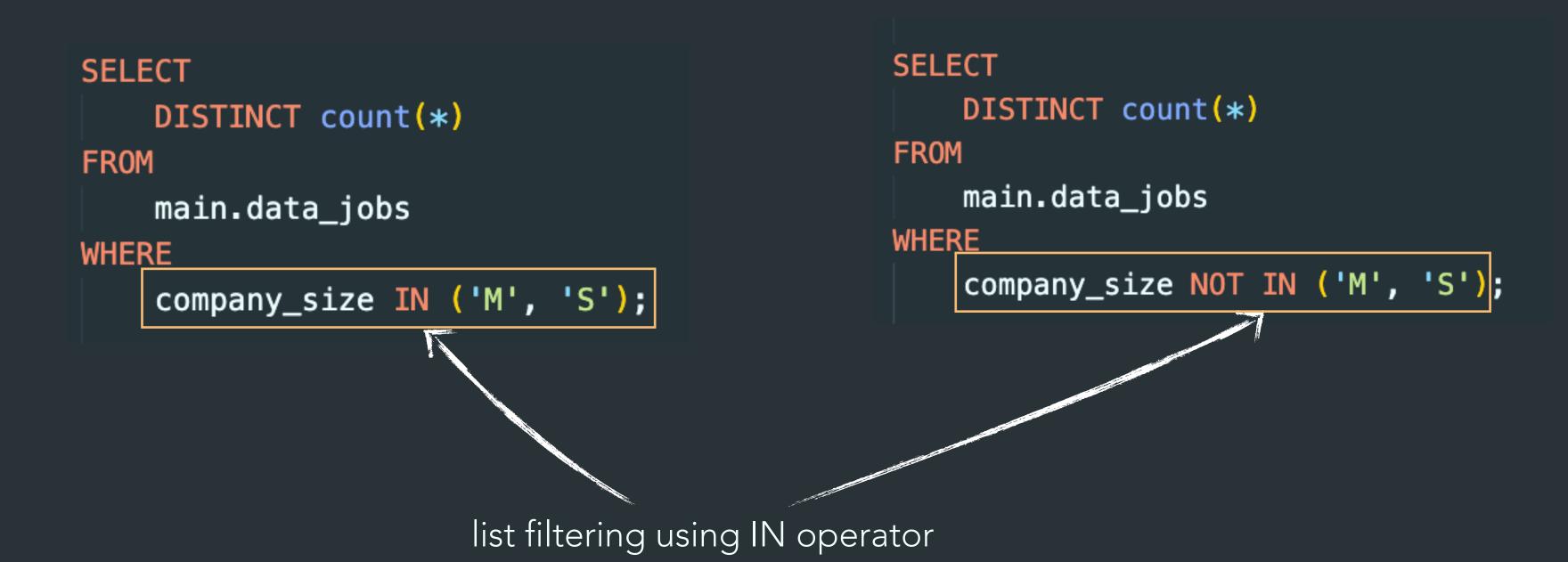
logical NOT operator negates what is inside the parenthesis

retrieving data in a specific range with range filtering

```
SELECT
                                                           SELECT
    job_title,
                                                               job_title,
   experience_level,
                                                               experience_level,
    (10.68 * salary_in_usd)/ 12 AS salary_sek_month
                                                               (10.68 * salary_in_usd)/ 12 AS salary_sek_month
FROM
                                                           FROM
   main.data_jobs
                                                               main.data_jobs
WHERE
                                                           WHERE
    (salary_sek_month>200000)
                                                               salary_sek_month BETWEEN 200000 AND 500000
   AND (salary_sek_month < 500000)
                                                           ORDER BY
ORDER BY
                                                               salary_sek_month DESC
   salary_sek_month DESC;
                                                                         range filtering using BETWEEN
 range filtering using a
                                                                         ... AND operator
 combination of comparison and
```

logical operators

filtering from a list with list filtering



the FILTER clause to calculate aggregates based on a criteria

```
aggregate function

SELECT

COUNT(*) AS total_jobs,

COUNT(*) FILTER (
WHERE

remote_ratio = 100) AS remote_jobs,

ROUND(remote_jobs / total_jobs * 100,2) AS percentage_remote_jobs

FROM

main.data_jobs;

condition
```

FILTER clause used with aggregate functions to apply conditions to specific aggregate calculations