C3KDH1

Databashantering, 7,5 hp NGWEK18h, NGWDK18h Inlämning: aggregering av data med SQL (1hp)

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```
SELECT GROUP_CONCAT(gender, ": ", amountGender SEPARATOR ' || ') AS genderCount
FROM (
SELECT gender, COUNT(gender) AS amountGender
FROM customer
GROUP BY gender
HAVING COUNT(gender) > 0) AS i
```

```
SELECT
   1 •
              GROUP_CONCAT(gender, ': ', amountGender
   2
                  SEPARATOR ' || ') AS genderCount
   3
   4
          FROM
   5
              (SELECT
                  gender, COUNT(gender) AS amountGender
   7
              FROM
   8
                  customer
              GROUP BY gender
   9
  10
              HAVING COUNT(gender) > 0) AS i
  11
Result Grid
                                           Export: Wrap Cell Content: IA
              Filter Rows:
    genderCount
▶ Male: 478 || Female: 522
```

2. SELECT MIN(age), MAX(age) FROM customer

```
1 • SELECT MIN(age), MAX(age)

2 FROM customer

3

4

Result Grid  Filter Rows: Export: Wrap Cell Content: A

MIN(age) MAX(age)

18 65
```

SELECT COUNT(DISTINCT(age)) FROM customer

4.

SELECT group_concat(country, ": ", averageAge SEPARATOR ' || ') AS averageAgeCountry

FROM (

SELECT country, AVG(age) AS averageAge

FROM customer

GROUP BY country) AS y

5.
select country, MAX(averageAge)
FROM (
SELECT country, AVG(age) as averageAge
FROM customer
GROUP BY country) t
GROUP BY country

ORDER BY averageAge DESC LIMIT 1

customer

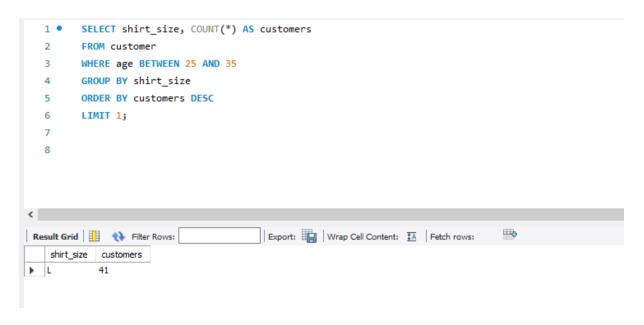
GROUP BY country

HAVING count(id) > 100) y

```
SELECT country, MAX(averageAge)
    ⊝ FROM (
  3
       SELECT country, AVG(age) as averageAge
       FROM customer
  4
  5
      GROUP BY country) t
  6
       GROUP BY country
       ORDER BY averageAge DESC
      LIMIT 1
  8
  9
 10
 11
                             Export: Wrap Cell Content: 🔼 Fetch rows:
country MAX(averageAge)
▶ Finland 43.7820
SELECT COUNT(*)
     FROM
     SELECT
     country
     FROM
```

```
SELECT COUNT(*)
  2
        FROM
     ⊖ (
  3
        SELECT
  5
        country
  6
        FROM
  7
        customer
  8
        GROUP BY country
      HAVING count(id) > 100) y
 10
 11
                                    Export: Wrap Cell Content: IA
COUNT(*)
3
```

7.
SELECT shirt_size, COUNT(*) AS customers
FROM customer
WHERE age BETWEEN 25 AND 35
GROUP BY shirt_size
ORDER BY customers DESC
LIMIT 1;



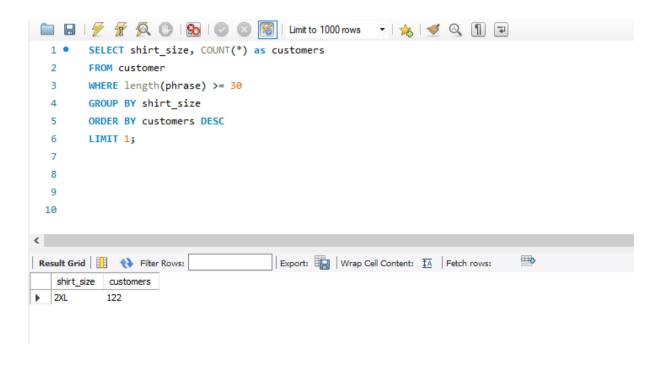
8.
SELECT phrase
FROM customer
ORDER BY LENGTH(phrase) DESC

LIMIT 1;

```
1 •
       SELECT phrase
  2
       FROM customer
       ORDER BY LENGTH(phrase) DESC
  3
       LIMIT 1;
  4
  5
  6
  7
                                                           4
Export: Wrap Cell Content: 🖽 | Fetch rows:
   phrase

    Business-focused demand-driven artificial intelligence
```

9.
SELECT shirt_size, COUNT(*) as customers
FROM customer
WHERE length(phrase) >= 30
GROUP BY shirt_size
ORDER BY customers DESC
LIMIT 1:



```
10.
SELECT
        GROUP_CONCAT('Name: ',
          first_name,
          last_name,
          ', From: ',
          country,
          ', Max age: ',
          SEPARATOR ' || ') AS EldestCustomerCountry
      FROM
        (SELECT
          x.first name, x.last name, x.country, x.age
        FROM
          customer x
        JOIN (SELECT
          country, MAX(age) AS maxAge
        FROM
          customer
        GROUP BY country) AS y ON x.country = x.country
          AND x.age = y.maxAge
        GROUP BY country
        ORDER BY country ASC) AS i
```