**Lab 3**

QUESTION 1

Write a SQL statement using group functions to display the number of customers and total credit limit given to all customers.

SELECT

COUNT(customer\_id) AS "Tot\_Customer",

SUM(credit\_limit) FROM customers;

Calendar

Description automatically generated

QUESTION 2

Write a SQL statement using group functions to display the minimum credit limit, maximum credit limit and average credit limit for all customers

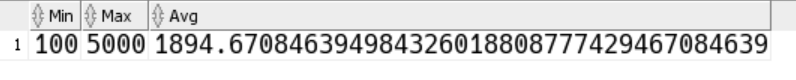
SELECT

MIN(credit\_limit) AS "Min",

MAX(credit\_limit) AS "Max",

AVG(credit\_limit) AS "Avg"

FROM customers;



QUESTION 3

Write a SQL statement using group functions to display distinct salesman ids and distinct customer ids in orders table

SELECT

COUNT(distinct salesman\_id),COUNT(distinct order\_id)

FROM orders;

Calendar

Description automatically generated

QUESTION 4

Write a SQL statement using group functions to display the newest and oldest employee by hire\_date

SELECT MIN(hire\_date) AS "Oldest",MAX(hire\_date) AS "Newest"

FROM employees;

A picture containing table

Description automatically generated

QUESTION 5

Write a SQL statement using group functions to display employees who go first in line by firstname and last in line by firstname

SELECT

MIN(first\_name) as "First Line",

MAX(first\_name) as "Last Line"

FROM employees;

A picture containing text

Description automatically generated

QUESTION 6

Write a SQL statement using group functions to display the distinct lastnames that starts with the letter ‘G’ and display how many lastnames that end with letter ‘G’

SELECT last\_name

FROM employees

GROUP BY last\_name

HAVING last\_name LIKE 'G%';

Text, application

Description automatically generated

SELECT

COUNT(DISTINCT last\_name)

FROM employees

WHERE last\_name LIKE '%G';

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Description automatically generated

QUESTION 7

Write a SQL statement using group functions to display the salesman id and the count of salesman id in orders table

SELECT COUNT(DISTINCT salesman\_id)

FROM orders;

A picture containing table

Description automatically generated

SELECT salesman\_id

FROM orders

GROUP BY salesman\_id;

Table

Description automatically generated

QUESTION 8

Write a SQL statement using group functions to display the average of unit price for each item id in order items table

SELECT item\_id, AVG(unit\_price)

FROM order\_items

GROUP BY item\_id

ORDER BY 1;

Text

Description automatically generated

QUESTION 9

Write a SQL statement using group functions to display item id and the total quantity for each item id in order items table

SELECT item\_id, SUM(quantity)

FROM order\_items

GROUP BY item\_id

ORDER BY 1;

A picture containing text, receipt

Description automatically generated

QUESTION 10

Write a SQL statement using group functions to display customer name and customer id who have same credit limit and limit the display by showing customers who have credit limit above 4000

SELECT name, customer\_id

FROM customers

WHERE credit\_limit > 4000;

Table

Description automatically generated