Week 5

Opage 1: Functies

1.

select now() as date;

2.

select concat (last\_name, ', ', job\_id) as 'employee and Title'

from employees;

3.

select employee\_id, last\_name, salary, round(salary \* 1.155, 0) as 'New Salary'

from employees

4.

select employee\_id, last\_name, salary, round(salary \* 1.155, 0) as 'New Salary', (round(salary \* 1.155, 0) - salary) as Increase

from employees

5.

SELECT upper (last\_name) as name, length (last\_name) as length

from employees

where last\_name like 'J%' or last\_name like 'A%' or last\_name like 'M%'

order by last\_name;

6.

SELECT first\_name, last\_name, length (concat(first\_name,last\_name)) as length

from employees

7.

SELECT Last\_name, round (salary\*12,0) as 'Annual Salary'

from employees

order by salary desc

8.

SELECT first\_name, Last\_name, job\_id

from employees

where length (last\_name) > 8

9.

SELECT Last\_name, salary, (salary + salary \* 0.20) as 'new\_salary'

from employees

where commission\_pct is not null = 'new salary'

order by Last\_name asc

10. select last\_name, substr(job\_id, 1,20) as'Job Prifix'

from employees

where job\_id like '%MGR';

Opgave 2: Aggregatie

1.

SELECT round(max(salary),0) as 'Maximum',

round(min(salary),0) as 'Minimum',

round (sum(salary),0) as 'Sum',

round(avg(salary),0) as 'Average'

FROM Employees

2.

SELECT job\_id, round(max(salary),0) as 'Maximum',

round(min(salary),0) as 'Minimum',

round (sum(salary),0) as 'Sum',

round(avg(salary),0) as 'Average'

FROM Employees

GROUP BY job\_id;

3.

SELECT job\_id, Count(job\_id) as 'Count'

FROM Employees

GROUP BY job\_id;

4.

SELECT count(distinct manager\_id) as 'Number of Managers'

FROM Employees;

5.

select (max(salary)-min(salary)) as 'Difference'

from employees

6.

SELECT manager\_id, min(salary) as 'Minimum Salary'

FROM employees

GROUP BY manager\_id

HAVING min(salary)>6000 and manager\_id is not null

ORDER BY min(salary) DESC;

7.

SELECT department\_id

FROM employees

GROUP BY department\_id

HAVING count(employee\_id)>10

8.

SELECT round(avg(salary),2) as 'Average Salary',count(employee\_id) as 'Count'

FROM employees

WHERE department\_id = 90;

9.

SELECT department\_id, sum(salary) as 'Total Salary'

FROM employees

GROUP BY department\_id

HAVING department\_id is not null;

10

SELECT manager\_id as 'Employee ID', round(avg(salary),2) as 'Average Salary'

FROM employees

GROUP BY manager\_id

HAVING count(employee\_id)>5;

11

SELECT job\_id, Count(job\_id) as 'Count'

FROM Employees

GROUP BY job\_id

HAVING avg(Salary) > 8000