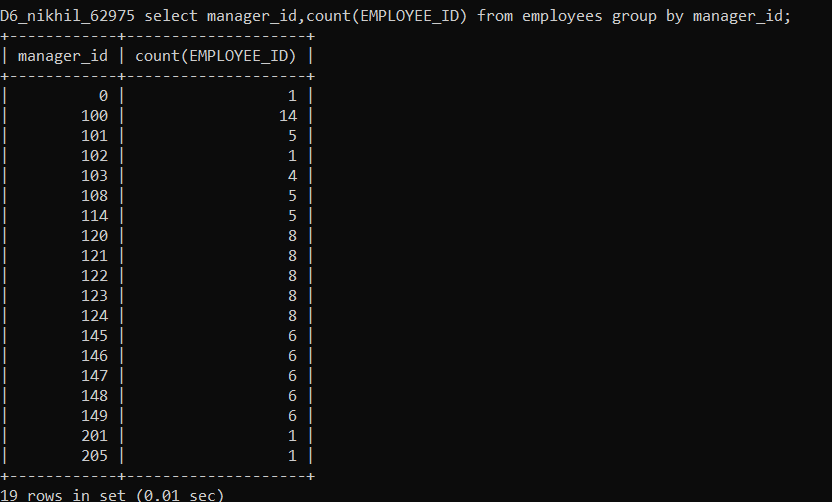
**Assignment 6**

**Use Group by clause with appropriate sql functions to solve following queries.**

**Note : To solve below queries use “hr” database**

1. Display manager ID and number of employees managed by the manager.

**select manager\_id,count(EMPLOYEE\_ID) from employees group by manager\_id;**

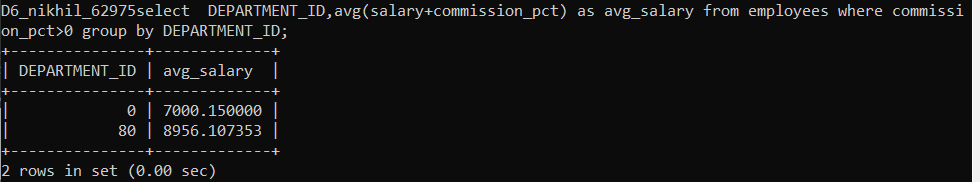


1. Display the country ID and number of cities we have in the country.

**select country\_id,count(city) as city from locations group by country\_id;**

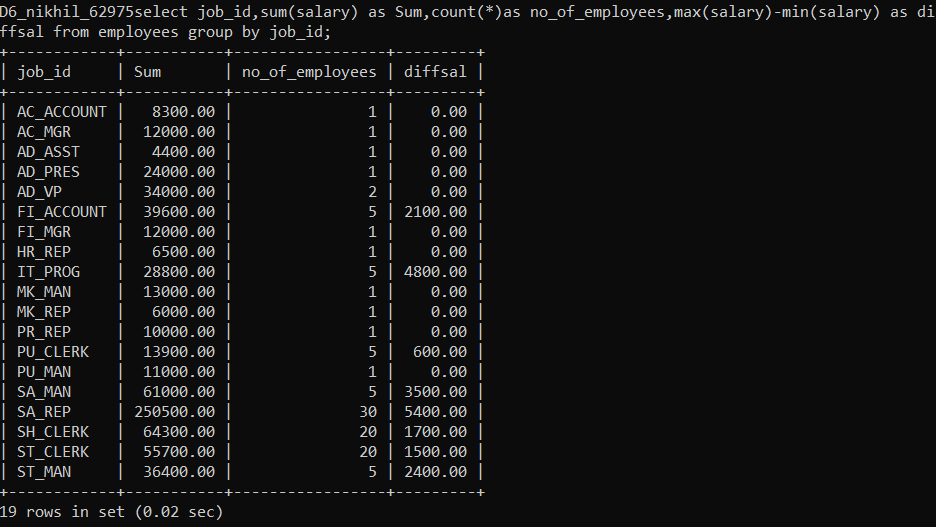


1. Display average salary of employees in each department who have commission percentage.

**select DEPARTMENT\_ID,avg(salary+commission\_pct) as avg\_salary from employees where commission\_pct>0 group by DEPARTMENT\_ID;** 

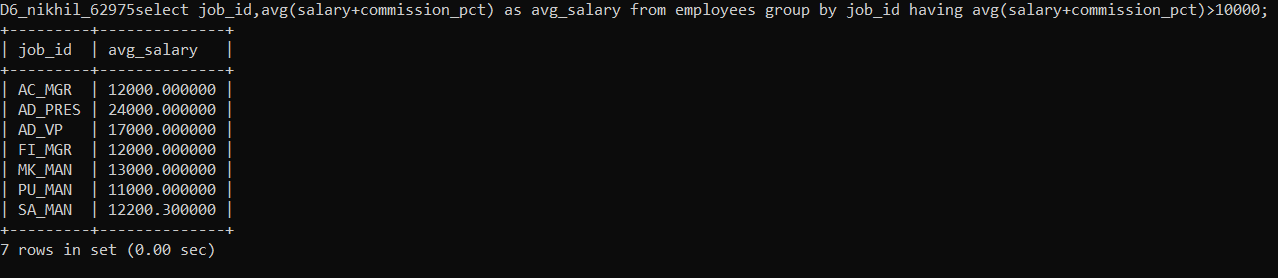
1. Display job ID, number of employees, sum of salary, and difference between highest salary and lowest salary of the employees of the job.

**select job\_id,sum(salary) as Sum,count(\*)as no\_of\_employees,max(salary)-min(salary) as diffsal from employees group by job\_id;**



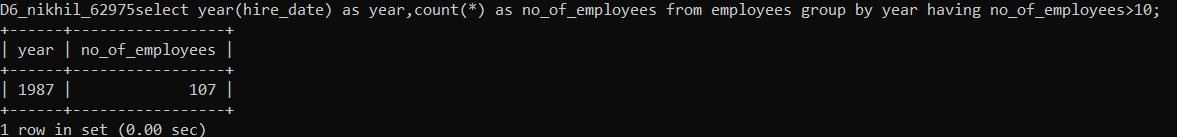
1. Display job ID for jobs with average salary more than 10000.

**select job\_id,avg(salary+commission\_pct) as avg\_salary from employees group by job\_id having avg(salary+commission\_pct)>10000;**

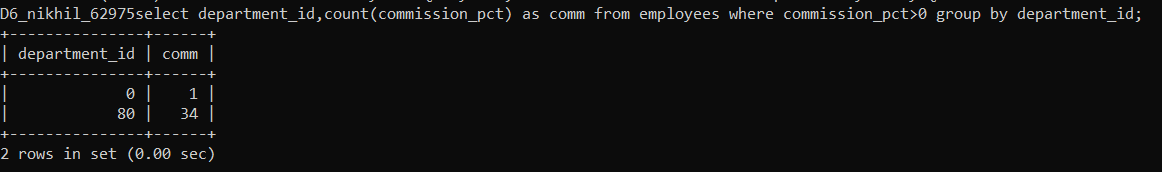
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1. Display years in which more than 10 employees joined.

**select year(hire\_date) as year,count(\*) as no\_of\_employees from employees group by year having no\_of\_employees>10;**

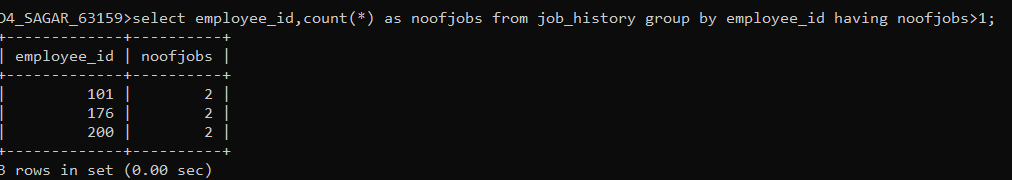


1. Display departments in which more than five employees have commission percentage.

**select department\_id,count(commission\_pct) as comm from employees where commission\_pct>0 group by department\_id;** ****

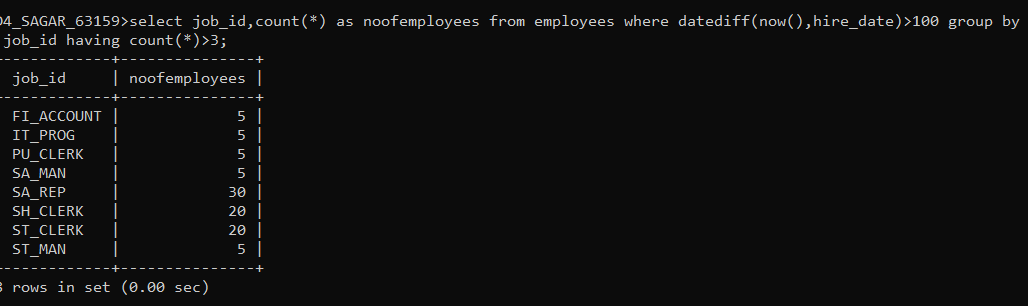
1. Display employee ID for employees who did more than one job in the past.

**select employee\_id,count(\*) as noofjobs from job\_history group by employee\_id having noofjobs>1;**



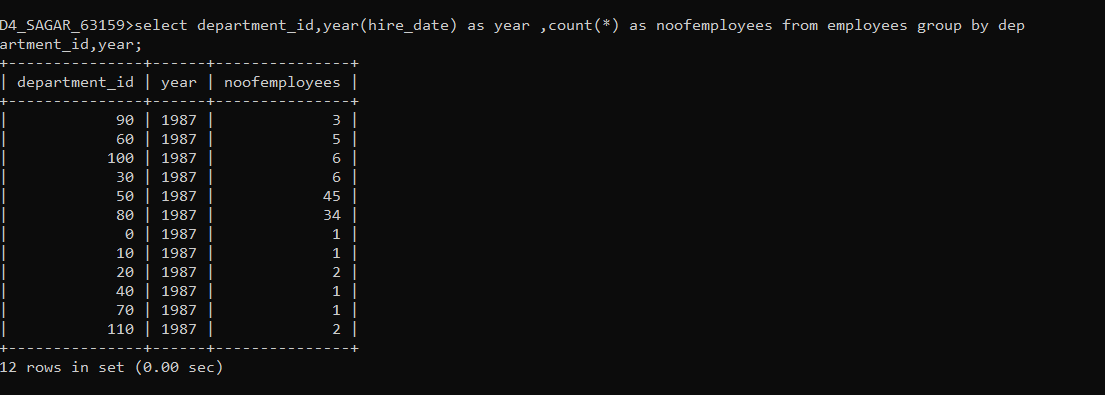
1. Display job ID of jobs that were done by more than 3 employees for more than 100 days.

**select job\_id,count(\*) as noofemployees from employees where datediff(now(),hire\_date)>100 group by job\_id having count(\*)>3;**



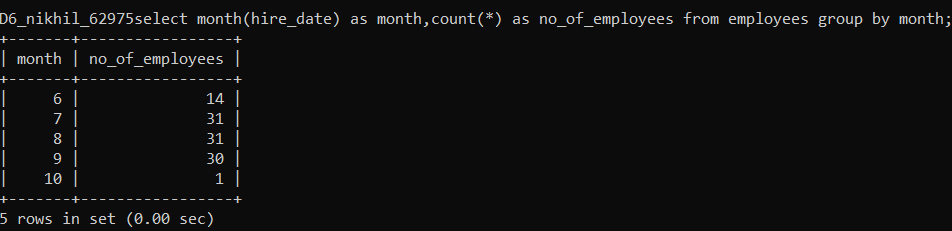
1. Display department ID, year, and Number of employees joined.

**select department\_id,year(hire\_date) as year ,count(\*) as noofemployees from employees group by department\_id,year;**



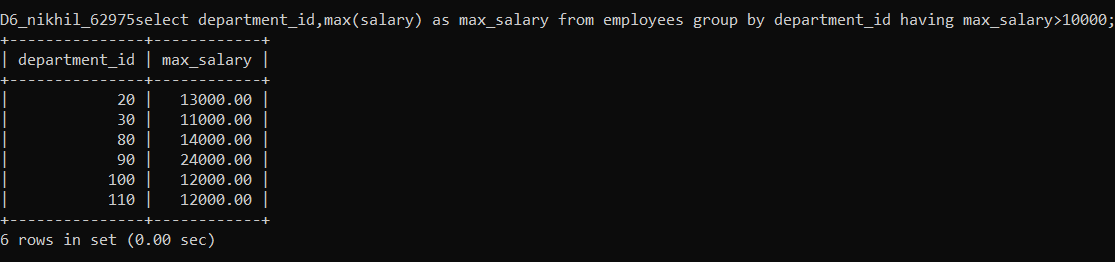
1. Display how many employees joined in each month of the current year.

**select month(hire\_date) as month,count(\*) as no\_of\_employees from employees group by month;**



1. Display details of departments in which the maximum salary is more than 10000

**select department\_id,max(salary) as max\_salary from employees group by department\_id having max\_salary>10000;**

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