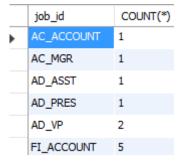




Lab #6-7 - Group By - 3H

GROUP BY - Having

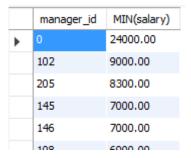
1. Write a query to get the number of employees by job id.



2. Write a query to get the job titles where the number of employees is greater than 4, ordered by descending order



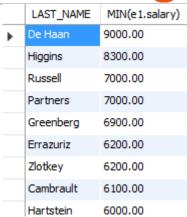
3. Write a query to find the manager ID and the salary of the lowest-paid employee for that manager.



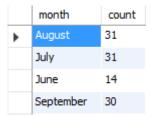
4. Same question as above but with the managers' lastnames



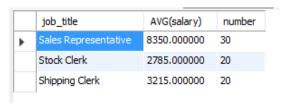




5. Write a query to get the months in which more than 10 employees joined.



6. Write a query to get the average salary for each job having more than 5 employees, ordered by the number of employees, in decreasing order.



7. Write a query to get the average salary for all departments employing more than 10 employees.

	department_id	AVG(salary)	COUNT(*)
•	50	3475.555556	45
	80	8955.882353	34

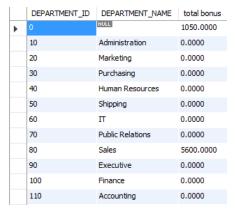




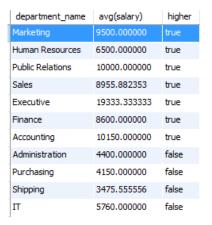
8. Write a query to find the departments having an average salary higher than the company-wide average salary



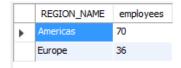
9. Write a query to return the total bonus (commission times salary) by department



10. Extend the query 8 to get the average salaries for each department, the column « higher » indicates wether this average is larger than the average company one. Hint : use UNION.



11. Write a to find the number of employees per region







12. Write a query to return the number of people with the same job, ordered in descending order

job_id	JOB_TITLE	people
SA_REP	Sales Representative	30
ST_CLERK	Stock Clerk	20
SH_CLERK	Shipping Clerk	20
PU_CLERK	Purchasing Clerk	5
IT_PROG	Programmer	5
SA_MAN	Sales Manager	5
ST_MAN	Stock Manager	5
FI_ACCOUNT	Accountant	5
10.10	* 1 * * * * * * * * * * * * * * * * * *	

13. Write a query to find the number of job positions occupied by more than one employee, as well as the total number of employees in these positions.



14. The commission of an employee is equal to its salary multiplied by its percentage. Write a query to find the total commissions spent by department, sorted by decreasing total spent.



15. Write a query to find the average salary by job for people working in Seattle, display also the department for each job.

	JOB_TITLE	DEPARTMENT_NAME	AVG(SALARY)
•	Public Accountant	Accounting	8300.000000
	Accounting Manager	Accounting	12000.000000
	Administration Assistant	Administration	4400.000000
	President	Executive	24000.000000
	Administration Vice President	Executive	17000.000000
	Accountant	Finance	7920.000000
	Finance Manager	Finance	12000.000000
	Purchasing Clerk	Purchasing	2780.000000
	Purchasing Manager	Purchasing	11000.000000