



Databases with MySQL

Exercises

SQL Group Functions Queries

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Use the database that was provided to solve the following queries.

- 1) Find the lowest salary.

	MINIMUM
▶	800.00

- 2) Find the lowest, highest, and the average of the salaries.

	MAXIMUM	MINIMUM	AVG
▶	5000.00	800.00	2073

- 3) Find the lowest and highest salaries for each job.

	JOB	MAXIMUM	MINI
▶	CLERK	1300.00	800.0
	SALESMAN	1600.00	1250.
	MANAGER	2975.00	2450.
	ANALYST	3000.00	3000.

- 4) How many employees are managers?

	MGRS
▶	3

- 5) Find the average salary and average annual salary for each job SALESMAN also have commissions.

	JOB	AVSAL	AVCOMM
▶	CLERK	1037.50	12450.0000
	SALESMAN	1400.00	17350.0000
	MANAGER	2758.33	33100.0000
	ANALYST	3000.00	36000.0000



- 6) Find the difference between the highest and lowest salaries.

	DIFERENCE
▶	4200.00

- 7) Find all the the departments that have more than three employees.

	DEPTNO	N_EMPLOYEE
▶	20	5
	30	6

- 8) Verify that each EMPNO is unique. Find the number of occurrences of EMPNO.

	count(EMPNO)
▶	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1

- 9) List the lowest salary of the employees that work for each manager 'MGR'. Exclude the groups where salaries are lower than 500. Order by salary.

	MGR	LOWEST
▶	7902	800.00
	7698	950.00
	7788	1100.00
	7782	1300.00
	7839	2450.00
	7566	3000.00