



Databases with *MySQL*

Exercises *SQL- JOIN Querys*

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

- 1) Show the employees and their department ordered by department name.

	ENAME	DNAME
▶	CLARK	ACCOUNTING
	KING	ACCOUNTING
	MILLER	ACCOUNTING
	SMITH	RESEARCH
	JONES	RESEARCH
	SCOTT	RESEARCH
	ADAMS	RESEARCH
	FORD	RESEARCH
	ALLEN	SALES
	WARD	SALES
	MARTIN	SALES

- 2) Show the employees and their department ordered by department name.

	ENAME	DEPTNO	DNAME
▶	CLARK	10	ACCOUNTING
	KING	10	ACCOUNTING
	MILLER	10	ACCOUNTING
	SMITH	20	RESEARCH
	JONES	20	RESEARCH
	SCOTT	20	RESEARCH
	ADAMS	20	RESEARCH
	FORD	20	RESEARCH
	ALLEN	30	SALES
	WARD	30	SALES
	MARTIN	30	SALES
	BLAKE	30	SALES



3) Show the following information for the employees that earn over a 1000 euros.

	ENAME	LOC	DNAME
▶	CLARK	NEW YORK	ACCOU
	KING	NEW YORK	ACCOU
	MILLER	NEW YORK	ACCOU
	JONES	DALLAS	RESEAR
	SCOTT	DALLAS	RESEAR
	ADAMS	DALLAS	RESEAR
	FORD	DALLAS	RESEAR
	ALLEN	CHICAGO	SALES
	WARD	CHICAGO	SALES
	MARTIN	CHICAGO	SALES

4) Show the grade of the salaries for each employee.

	ENAME	JOB	SAL
▶	SMITH	CLERK	800.00
	ALLEN	SALESMAN	1600.00
	WARD	SALESMAN	1250.00
	JONES	MANAGER	2975.00
	MARTIN	SALESMAN	1250.00
	BLAKE	MANAGER	2850.00
	CLARK	MANAGER	2450.00
	SCOTT	ANALYST	3000.00
	KING	PRESIDENT	5000.00
	TURNER	SALESMAN	1500.00
	ADAMS	CLERK	1100.00

5) Show the employees that are classified as Grade 3.

	ENAME	JOB	SAL
▶	ALLEN	SALESMAN	1600.00
	TURNER	SALESMAN	1500.00



6) Show the employees from DALLAS.

	ENAME	SAL	LOC
▶	SMITH	800.00	DAL
	JONES	2975.00	DAL
	SCOTT	3000.00	DAL
	ADAMS	1100.00	DAL

7) Show the information for all employees except clerks. Order by the highest salary.

	ENAME	JOB	SAL	GRADE	DN
▶	KING	PRESIDENT	5000.00	5	ACC
	SCOTT	ANALYST	3000.00	4	RES
	FORD	ANALYST	3000.00	4	RES
	JONES	MANAGER	2975.00	4	RES
	BLAKE	MANAGER	2850.00	4	SAL
	CLARK	MANAGER	2450.00	4	ACC
	ALLEN	SALESMAN	1600.00	3	SAL
	TURNER	SALESMAN	1500.00	3	SAL

8) Show the information for employees that earn 19200 euros per year or the employees that are CLERK.

	ENAME	JOB	ANNUAL_SAL	DEPTNO	GRADE	I
▶	ALLEN	SALESMAN	19200.00	30	3	S
	MILLER	CLERK	15600.00	10	2	A
	ADAMS	CLERK	13200.00	20	1	R
	JAMES	CLERK	11400.00	30	1	S



9) Show the following information.

	EMPNO	ENAME	DNAME	LO
▶	7782	CLARK	ACCOUNTING	NEV
	7839	KING	ACCOUNTING	NEV
	7934	MILLER	ACCOUNTING	NEV
	7369	SMITH	RESEARCH	DAI
	7566	JONES	RESEARCH	DAI
	7788	SCOTT	RESEARCH	DAI
	7876	ADAMS	RESEARCH	DAI
	7902	FORD	RESEARCH	DAI
	7499	ALLEN	SALES	CHI
	7521	WARD	SALES	CHI
	7654	MARTIN	SALES	CHI

10) Which department doesn't have employees?.

	DEPTNO	DNAME
▶	40	OPERATIO

11) List each employee and his manager..

	EMPNO	ENAME	MGR	MGR_
▶	7788	SCOTT	7566	JONES
	7902	FORD	7566	JONES
	7499	ALLEN	7698	BLAKE
	7521	WARD	7698	BLAKE
	7654	MARTIN	7698	BLAKE
	7844	TURNER	7698	BLAKE
	7900	JAMES	7698	BLAKE
	7934	MILLER	7782	CLARK
	7876	ADAMS	7788	SCOTT
	7566	JONES	7839	KING



12) Change the previous solution in order to visualize King, who doesn't have a manager..

	EMPNO	ENAME	MGR	MGR
▶	7839	KING	NULL	NULL
	7788	SCOTT	7566	JONES
	7902	FORD	7566	JONES
	7499	ALLEN	7698	BLAKE
	7521	WARD	7698	BLAKE
	7654	MARTIN	7698	BLAKE
	7844	TURNER	7698	BLAKE
	7900	JAMES	7698	BLAKE
	7934	MILLER	7782	CLARK
	7876	ADAMS	7788	SCOTT
	7566	JONES	7839	KING

13) Find the employees that entered the company before their managers..

	EMPNO	ENAME	HIREDATE	MGR	MGR_NAME
▶	7499	ALLEN	2023-02-20	7698	BLAKE
	7521	WARD	2023-02-22	7698	BLAKE
	7566	JONES	JONES 4-02	7839	KING
	7698	BLAKE	2023-05-01	7839	KING
	7782	CLARK	2023-06-09	7839	KING