

Tutorial -SQL Exercises 3

Formulate and run SQL queries for all the questions given based on Employee database.

-
1. Display employee name, location and department of those whose salary is greater than 1500.
-

<u>ENAME</u>	<u>LOCATION</u>	<u>DNAME</u>
CLARK	NEW YORK	ACCOUNTING
KING	NEW YORK	ACCOUNTING
JONES	DALLAS	RESEARCH
SCOTT	DALLAS	RESEARCH
FORD	DALLAS	RESEARCH
ALLEN	CHICAGO	SALES
BLAKE	CHICAGO	SALES

7 records selected.

-
2. Produce a list which will show the grade that each employee is in.
-

<u>ENAME</u>	<u>JOB</u>	<u>SAL</u>	<u>GRADE</u>
SMITH	CLERK	800	1
ADAMS	CLERK	1100	1
JAMES	CLERK	950	1
WARD	SALESMAN	1250	2
MARTIN	SALESMAN	1250	2
MILLER	CLERK	1300	2
ALLEN	SALESMAN	1600	3
TURNER	SALESMAN	1500	3
JONES	MANAGER	2975	4
BLAKE	MANAGER	2850	4
CLARK	MANAGER	2450	4
SCOTT	ANALYST	3000	4
FORD	ANALYST	3000	4
KING	PRESIDENT	5000	5

14 records selected.

-
3. List employee name, job, salary and grade for those in grade 3.
-

ENAME	JOB	SAL	GRADE
ALLEN	SALESMAN	1600	3
TURNER	SALESMAN	1500	3

2 records selected.

-
4. As 2 above, but also give their department name, in descending order of their salary grade.
-

ENAME	JOB	SAL	DEPTNO	DNAME	GRADE
KING	PRESIDENT	5000	10	ACCOUNTING	5
JONES	MANAGER	2975	20	RESEARCH	4
BLAKE	MANAGER	2850	30	SALES	4
CLARK	MANAGER	2450	10	ACCOUNTING	4
FORD	ANALYST	3000	20	RESEARCH	4
SCOTT	ANALYST	3000	20	RESEARCH	4
ALLEN	SALESMAN	1600	30	SALES	3
TURNER	SALESMAN	1500	30	SALES	3
WARD	SALESMAN	1250	30	SALES	2
MILLER	CLERK	1300	10	ACCOUNTING	2
MARTIN	SALESMAN	1250	30	SALES	2
SMITH	CLERK	800	20	RESEARCH	1
JAMES	CLERK	950	30	SALES	1
ADAMS	CLERK	1100	20	RESEARCH	1

14 records selected.

-
5. Find the name and salary of employees in Dallas.
-

ENAME	SAL	LOC
SMITH	800	DALLAS
JONES	2975	DALLAS
SCOTT	3000	DALLAS
ADAMS	1100	DALLAS
FORD	3000	DALLAS

5 records selected.

-
6. List in order of department number, the department number, employee name and

salary increased by 15% and expressed as a whole number of pounds.

DEPTNO	ENAME	PCTSAL
10	CLARK	2818
10	KING	5750
10	MILLER	1495
20	SMITH	920
20	JONES	3421
20	SCOTT	3450
20	ADAMS	1265
20	FORD	3450
30	ALLEN	1840
30	WARD	1438
30	MARTIN	1438
30	BLAKE	3278
30	TURNER	1725
30	JAMES	1093

14 records selected.

-
7. Print the employee name and job as one field with a / between the two fields. Also try getting the '/s lined up.
-

TITLE

SMITH / CLERK
ALLEN / SALESMAN
WARD / SALESMAN
JONES / MANAGER
MARTIN / SALESMAN
BLAKE / MANAGER
CLARK / MANAGER
SCOTT / ANALYST
KING / PRESIDENT
TURNER / SALESMAN
ADAMS / CLERK
JAMES / CLERK
FORD / ANALYST
MILLER / CLERK

14 records selected.

8. List all employees and their manager's number.

EMPNO	ENAME	MGR
7369	SMITH	7902
7499	ALLEN	7698
7521	WARD	7698
7566	JONES	7839
7654	MARTIN	7698
7638	BLAKE	7839
7782	CLARK	7839
7788	SCOTT	7566
7839	KING	
7844	TURNER	7698
7876	ADAMS	7788
7900	JAMES	7698
7902	FORD	7566
7934	MILLER	7782

14 records selected.

9. As 8. above, but list their manager's name as well as his number.

EMPNO	ENAME	MGRNO	MGRNAME
7369	SMITH	7902	FORD
7499	ALLEN	7698	BLAKE
7521	WARD	7698	BLAKE
7566	JONES	7839	KING
7654	MARTIN	7698	BLAKE
7698	BLAKE	7839	KING
7782	CLARK	7839	KING
7788	SCOTT	7566	JONES
7844	TURNER	7698	BLAKE
7876	ADAMS	7788	SCOTT
7900	JAMES	7698	BLAKE
7902	FORD	7566	JONES
7934	MILLER	7782	CLARK

13 records selected.

-
10. Same as 9. above but include those employees that don't have a manager.
-

<u>EMPNO</u>	<u>ENAME</u>	<u>EMPNO</u>	<u>ENAME</u>
7369	SMITH	7902	FORD
7499	ALLEN	7698	BLAKE
7521	WARD	7698	BLAKE
7566	JONES	7839	KING
7654	MARTIN	7698	BLAKE
7698	BLAKE	7839	KING
7782	CLARK	7839	KING
7788	SCOTT	7566	JONES
7839	KING		
7844	TURNER	7698	BLAKE
7876	ADAMS	7788	SCOTT
7900	JAMES	7698	BLAKE
7902	FORD	7566	JONES
7934	MILLER	7782	CLARK

14 records selected.

-
11. List the employee's name and salary and manager's name and salary for all employees who earn more than their manager.
-

<u>ENAME</u>	<u>SAL</u>	<u>ENAME</u>	<u>SAL</u>
SCOTT	3000	JONES	2975
FORD	3000	JONES	2975

2 records selected.