

Sub Query



NIST INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)
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Expt. No. 7

12

- (1) Display the employees those who have subordinate.
- sq1) Select empno, ename from emp where empno in (select mng from emp where mng is not null);
- (2) List the employee who is Blake's department but earning more than 1000.
- sq2) Select empno, ename from emp where deptno = (select deptno from emp where ename = 'BLAKE') and sal > 1000;
- (3) Display the employee who are not salesman but whose salary is more than that of SALESMAN.
- sq3) select empno, ename from emp where job != 'SALESMAN' and sal > all (select sal from emp whose job = 'SALESMAN');
- (4) List all the employee whose salary is less than the salary of all employees who are working as managers.
- sq4) select empno, ename from emp where sal < all (select sal from emp where job = 'MANAGER');
- (5) Display all the employees who are not clerk but whose salary is less than that of any clerk.
- sq5) select ename from emp where job != 'CLERK' and sal < all (select sal from emp where job = 'CLERK');

Signature

Outputs

1)

<u>Ename</u>	<u>Empno</u>
JONES	7566
BLAKE	7698
CLARK	7782
SCOTT	7788

2)

<u>Empno</u>	<u>ename</u>	<u>Deptno</u>
7698	BLAKE	30
7499	ALLEN	30
7521	WARD	30
7654	MARTIN	30

3)

<u>Ename</u>	<u>Job</u>	<u>Ename</u>	<u>empno</u>
CLARK	MANAGER	SMITH	7369
BLAKE	MANAGER	JAMES	7900
		ADAMS	7876
		MARTIN	7654

4)

<u>Ename</u>	<u>Job</u>
CLARK	MANAGER
BLAKE	
JONES	
FOOD	

5)

<u>Ename</u>
Ford
SCOTT
JONES
SMITH.

(6) Display employee ename, their profession, department name those who work in SALE, department.

sql) select ename, job, dname from emp e, dept d where e.deptno = d.deptno and dname = 'sales';

(7) Find the highest paid employee in each department.

sql) select ename, deptno, from emp where (deptno, sal) = any (select deptno, max(sal) from emp group by deptno);

(8) Find all the department numbers, whose minimum salary is greater than the minimum salary of department 20.

sql) select deptno from emp group by deptno having min(sal) > all (select min(sal) from emp where deptno = 20);

(9) List all the employees who do not have any subordinates.

sql) select ename from emp minus (select mgr from emp);

(10) List all the employee who either work in 'New York' or 'Dallas':

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sql) select ename from emp where deptno = any (select deptno from dept where loc = 'New York' or loc = 'Dallas');

(11) Find the deptno whose ~~average~~ average salary is more than avg salary of dept 10.

sql) select deptno, avg(sal) from emp group by deptno having avg(sal) > all (select avg(sal) from emp where deptno = 10);

Signature

⑥ Ename job Dname

BLAKE MANAGER SALES

ALLEN SALESMAN SALES

WARD SALESMAN SALES

JAMES CLERK SALES

⑦ ename dept no

BLAKE 30

KING 10

SCOTT 20

FORD 20

⑧ dept no

30

10

⑨ Ename

FORD

SCOTT

JONES

ADAMS

⑩ Ename

SMITH

JONES

CLARK

SCOTT

⑪ no data found.

12. List the employee working under JONES.

SQL) Select * from emp where mgr = (select empno from emp where ename = 'JONES');

(13) List all the employees working in SALES and Accounting department.

SQL) Select empno, ename from emp where deptno in (select deptno from dept where dname = 'SALES' or dname = 'ACCOUNTING');

(14) List all the employees who are not in department 10 and whose salary is less than the salary of all the employees of dept 10.

SQL) Select empno, ename from emp where deptno != 10 and sal < all (select sal from emp where deptno = 10);

(15) List all the employees whose salaries ~~exceed~~ exceed their department average.

SQL) Select ename from emp where sal > any (select avg(sal) from emp group by deptno);

the employee working under ... select empno

(14)

<u>ename</u>	<u>empno</u>
KING	7839
BLAKE	7698
CLARK	7782
JONES	7566
SCOTT	7788

(13) empno ename deptno

7521	WARD	30
7654	MARTIN	30
7876	ADAMS	20
7900	JAMES	30

(12) empno ename JOB MGR HIRE DATE SAL COMM DEPTNO

7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	30

(15) ename sal

KING	5000
SCOTT	3000
FORD	3000
JONES	2975
BLAKE	2850
CLARK	2450