

Top 40 SQL Queries For Testers

1.Display employee number and total salary for each employee

```
select empno,sal+comm  
from emp;
```

2.Display the names of employees whose name starts with alphabet S

```
select ename  
from emp  
where ename like 'S%';
```

3.Display the names of employees whose names have sencond alphabet A in their names

```
select ename  
from emp  
where ename like '_S%';
```

4.Display employee name and department name for each employee

```
select ename,dname  
from emp e,dept d  
where e.deptno=d.deptno;
```

5.Display employee number,name and location of the department in which he is working

```
select empno,ename,loc  
from emp e,dept d  
where e.deptno=d.deptno;
```

6.Display ename,dname even if there no employees working in a particular department(use outer join)

```
select ename,dname  
from emp e,dept d  
where e.deptno(+) = d.deptno;
```

7.select ename if ename exists more than once

```
select distinct(ename)  
from emp e  
where ename in (select ename from emp where e.empno <> empno);
```

8.Display the dept no with highest annual remuneration bill as compensation

```
select deptno,sum(sal)  
from emp  
group by deptno having sum(sal)=(select max(sum(sal)) from emp group by deptno);
```

9. List out the lowest paid employees working for each manager, exclude any groups where minsal is less than 1000 sort the output by sal

```
select e.ename,e.mgr,e.sal
from emp e
where sal in (select min(sal) from emp where mgr=e.mgr) and
e.sal>1000 order by sal;
```

10. Display current date

```
select sysdate
from dual;
```

11. Display various jobs along with total salary for each of the job where total salary is greater than 40000?

```
select job,sum(sal)
from emp
group by job having sum(sal)>40000;
```

12. Display the name of employee who earn Highest Salary?

```
select ename, sal
from emp
where sal>=(select max(sal) from emp );
```

13. Display the employee Number and name for employee working as clerk and earning highest salary among the clerks?

```
select ename,empno
from emp
where sal=(select max(sal) from emp where job='CLERK') and job='CLERK' ;
```

14. Display the employee names who are Working in Chicago?

```
select e.ename,d.loc
from emp e,dept d
where e.deptno=d.deptno and d.loc='CHICAGO';
```

15. Display the job groups having Total Salary greater than the maximum salary for Managers?

```
select job ,sum(sal)
from emp
group by job having sum(sal) >(select max(sal) from emp where job='MANAGER');
```

16. Display the names of employees from department number 10 with salary greater than that of ANY employee working in other departments?

```
select ename,deptno
from emp
where sal>any(select min(sal) from emp where deptno!=10 group by deptno) and deptno=10 ;
```

17. Display the names of employees from department number 10 with salary greater than that of ALL employee working in other departments?

```
select ename,deptno
from emp
where sal>all(select max(sal) from emp where deptno!=10 group by deptno) and deptno=10 ;
```

18. Display the names of employees in Upper Case?

```
select upper(ename)
from emp;
```

19. Display the names of employees in Lower Case?

```
select Lower(ename)
from emp;
```

20. Display the length of all the employee names?

```
select length(ename)
from emp;
```

21.Display the name of employee Concatinate with Employee Number?

```
select ename||' '||empno
from emp;
```

22. Display the information from the employee table . where ever job Manager is found it should be displayed as Boss?

```
select ename ,replace(job,'MANAGER','BOSS')
from emp;
```

23. Display those who are not managers?

```
select ename
from emp
where job!='MANAGER';
```

24.Display the details of those employees who are in sales department and grade is 3?

```
select e.ename,d.dname,grade
from emp e,dept d ,salgrade
where e.deptno=d.deptno and dname='SALES' and grade=3;
```

25. Display those department whose name start with "S" while location name ends with "K"?

```
select e.ename,d.loc
from emp e ,dept d
where d.loc like('%K') and ename like('S%');
```

26. Display those employees whose manager name is Jones?

```
select e.ename Superior,e1.ename Subordinate
from emp e,e1
where e.empno=e1.mgr and e.ename='JONES';
```

27. Display those employees whose salary is more than 3000 after giving 20% increment?

```
select ename,sal,(sal+(sal*0.20))
from emp
where (sal+(sal*0.20))>3000;
```

28. Display employee name,dept name,salary,and commission for those sal in between 2000 to 5000 while location is Chicago?

```
Select e.ename,d.dname,e.sal,e.comm
from emp e,dept d
where e.deptno=d.deptno and sal between 2000 and 5000;
```

29. Display those employees whose salary is greater than his managers salary?

```
Select e.ename,e.sal,e1.ename,e1.sal
from emp e,e1
where e.mgr=e1.empno and e.sal>e1.sal;
```

30. Display the grade and employees name for the deptno 10 or 30 but grade is not 4 while joined the company before 31-DEC-82?

```
select ename,grade,deptno,sal
from emp ,salgrade
where ( grade,sal) in ( select grade,sal from salgrade,emp where sal between losal and hisal)
and grade!=4 and deptno in (10,30) and hiredate<'31-Dec-82';
```

31. Delete those employees who joined the company before 31-Dec-82 while their department Location is New York or Chicago?

```
select e.ename,e.hiredate,d.loc
from emp e,dept d
where e.deptno=d.deptno and hiredate<'31-Dec-82' and d.loc in('NEW YORK','CHICAGO');
```

32. List out all the employee names ,job,salary,grade and deptname for every one in a company except 'CLERK' . Sort on salary display the highest salary?

```
select e.ename ,e.job,e.sal,d.dname ,grade
from emp e,salgrade,dept d
where (e.deptno=d.deptno and e.sal between losal and hisal )
order by e.sal desc;
```

33.Display employee name,sal,comm and netpay for those employees whose netpay is greater than or equal to any other employee salary of the company?

```
select ename,sal,NVL(comm,0),sal+NVL(comm,0)
from emp
where sal+NVL(comm,0) >any (select e.sal from emp e );
```

34. Display those employees whose salary is less than his manager but more than salary of other managers?

```
select e.ename sub,e.sal
from emp e,e1,dept d
where e.deptno=d.deptno and e.mgr=e1.empno and e.sal<e1.sal and e.sal >any (select e2.sal
from emp e2,
e,dept d1
where e.mgr=e2.empno and d1.deptno=e.deptno);
```

35. Delete those records from emp table whose deptno not available in dept table?

```
delete from emp e
where e.deptno not in (select deptno from dept);
```

36. Display those enames whose salary is out of grade available in salgrade table?

```
select empno,sal
from emp
where sal<(select min(LOSAL) from salgrade )
OR sal>(select max(hisal) from salgrade);
```

37. Display those employees whose salary is odd value?

```
select ename ,sal
from emp
where mod(sal,2)!=0;
```

38.Display those employees who joined in the company in the month of Dec?

```
Select empno,ename
from emp
where trim(to_char(hiredate,'Mon'))=trim('DEC');
```

39. Delete those records where no of employees in particular department is less than 3?

Delete from emp
where deptno in (select deptno from emp group by deptno having count(*) <3 ;

40. Display empno,ename,deptno from emp table. Instead of display department numbers display the related department name(Use decode function)?

select empno,ename,deptno,Decode(deptno,10,'ACCOUNTING'
,20,'RESEARCH',30,'SALES','OPERATIONS')DName
from emp;

41.Display the Second maximum salary from the table using subquery.

select max(salary)
from Employee
where salary NOT IN (select max(salary) from Employee);

42.Display the Second maximum salary from the table using subquery.

select TOP 1 salary from (select TOP 2 salary from employees order by salary desc) as emp
order by salary asc