SQL Questions & Answers

1.Display all the information of the EMP table.

Ans: select \* from emp;

2.Display unique Jobs from EMP table.

Ans: select distinct job from emp;

3. Display the details of all MANAGERS.

Ans: select \* from emp where job='MANAGER';

4. List the emps who joined before 1981.

Ans: select \* from emp where hiredate<'01-01-81';

5. Display the Empno, Ename, Job, Hiredate, and experience of all Managers.

Ans: select Empno, Ename, Job, Hiredate,TO\_NUMBER(TO\_CHAR(TO\_DATE(Hiredate, 'DD-MM-YY'), 'YYYY'))-TO\_NUMBER(TO\_CHAR(SYSDATE, 'YYYY'))as experience from emp where job='MANAGER';

--added experience column

alter table emp ADD (experience NUMBER);

update emp set experience = TO\_NUMBER(TO\_CHAR(TO\_DATE(hiredate, 'DD-MM-YY'), 'YYYY'))-TO\_NUMBER(TO\_CHAR(sysdate, 'YYYY'));

6. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7839.

Ans: select empno, ename,mgr, sal,TO\_NUMBER(TO\_CHAR(TO\_DATE(Hiredate, 'DD-MM-YY'), 'YYYY'))-TO\_NUMBER(TO\_CHAR(SYSDATE, 'YYYY'))as experince from emp where mgr='7839';

7. Display all the details of the emps whose Comm. Is more than their Sal.

Ans: select \* from emp where comm > sal;

8. List the emps along with their Exp and whose Daily Sal is more than Rs. 100.

Ans: select empno, ename,mgr, sal,TO\_NUMBER(TO\_CHAR(TO\_DATE(Hiredate, 'DD-MM-YY'), 'YYYY'))-TO\_NUMBER(TO\_CHAR(SYSDATE, 'YYYY'))as experince from emp where(sal/30)>100;

9. List the emps who are working for the Deptno 10 or 20.

Ans: select \* from emp where deptno in(10,20);

10. List the emps who are working under any Manager.

Ans: select ename,job,sal,hiredate,mgr from emp where mgr in (select empno from emp) order by mgr;

-- alternative query select \* from emp where mgr IS NOT NULL;

11. List all the Clerks of Deptno 20.

Ans: select \* from emp where deptno=20 and job='CLERK';

12. Display the details of SMITH.

Ans: select \* from emp where ename='SMITH';

13. Display the Empno, Ename, Deptno from EMP table.

Ans: select empno,ename,deptno from emp;

14. Write a query to display the Empno and the Deptno of all emps.

Ans: select empno ,deptno from emp;

15. Display the unique Depts of emps.

Ans: select distinct deptno from emp;

16. List the emps whose Salary is more than 3000 after giving 20% increment.

Ans: select empno,ename,sal,(sal+(sal\*0.20))as sal\_20 from emp where (sal+(sal\*0.20)) >3000;

17. List the Ename and Sal increased by 15% and expressed as No. of Dollars.

Ans: select ename,to\_char(sal,'$99,999.000') as sal,to\_char((sal+(sal\*0.15)),'$99,999.000')as sal\_15 from emp;

18. Produce the output of EMP table EMP\_AND\_JOB for Ename and job.

Ans: select ename,job || job as EMP\_AND\_JOB from emp;

19. Display the Empno, Ename, Salary of all Managers.

Ans: select empno,ename,sal from emp where job='MANAGER';

20. Define a variable representing the expression used to calculate on emps total annual remuneration use the variable in a statement which finds all emps who can earn 30000 a year or more.

Ans: select empno,ename,sal,comm,annual from ( select empno,ename,sal,comm,nvl2(comm,(sal+comm)\*12,(sal\*12)) as annual from emp)where annual >=30000;

21. Check whether all the emps numbers are indeed unique.

Ans: --method1:select distinct empno,ename,job,sal,hiredate from emp where empno in(select distinct empno from emp);

select COUNT(distinct empno)from emp; --only 14 records in table and 14 distinct records in table therefore all employees are unique

22. List the Empno, Sal and Comm of emps.

Ans: select empno,sal,comm from emp;

23. Display the unique dept with Jobs.

Ans: select distinct job,deptno from emp;

24. Display the details of Blake.

Ans: select \* from emp where ename='BLAKE';

25. List all Clerks.

Ans: select \* from emp where job='CLERK';

26. List all emps joined on 1 may 1981.

Ans: select \* from emp where hiredate>=to\_date('01 may 1981','dd-mm-yyyy');

27. List the emps whose Salaries are less than 3500.

Ans: select empno,ename,sal as salary from emp where sal<3500;

28. List the emps Empno, Ename, Sal of all emp joined before 1 Apr 1981.

Ans: select empno,ename,sal from emp where hiredate < to\_date('1 April 1982','DD Month YYYY');

29. List the emps whose exp is more than 10 years.

Ans: select empno,ename,sal,hiredate from emp where experience >10;

30. List the emps who are working as Manager.

Ans: select \* from emp where job='MANAGER';

31. List the emps who are working as clerks and exp is more that 8 Years.

Ans: select \* from emp where job='CLERK' and experience>8;

32. List the Empno, Ename, Sal, Job of emps with the annSal <34000 but receiving some comm. Which should not be greater than Sal and the designation should be Salesman working for dept 30.

Ans: select empno,ename,sal,job,annual,deptno,comm from(select empno,ename,sal,job,comm,nvl2(comm,(sal+comm)\*12,(sal\*12)) as annual,deptno from emp)where annual<34000 and deptno=30 and job='SALESMAN' and comm>0 and comm<sal;

33. List all the Salesmen who are receiving Comm.

Ans: select \* from emp where job='SALESMAN' and comm>0;

34. List all the Salesmen of the Dept 30 whose Comm. Is more than their Salary.

Ans: select \* from emp where job='SALESMAN' and deptno=30 and comm>sal;

35. Generate all the 3 digit numbers.

36. Display the first 5 records of the EMP table.

Ans: select \* from emp where ROWNUM <=5;

37. List the emps empno, ename, job, sal of all emps.

Ans: select empno,ename,job,sal from emp;

38. List all the unique deptno of emps.

Ans: select distinct deptno from emp;

39. List all the unique jobs along with deptno.

Ans: select distinct job,deptno from emp;

40. List all the details of ‘Miller’.

Ans: select \* from emp where ename='MILLER';

41. list the details of dept 10.

Ans: select \* from emp where deptno=10;

42. List all the ‘SALESMAN’.

Ans: select \* from emp where job='SALESMAN';

43. List all the emps who joined before 1984.

Ans: select \* from emp where hiredate<'01-01-84';

44. List all the emps whose Sal>2500.

Ans: select \* from emp where sal>2500;

45. List all the emps who are working since 1st April 1982.

Ans: select \* from emp where hiredate >=to\_date('1 April 1982','DD Month YYYY');

46. List the empno, ename, sal, Daily sal of all emps.

Ans: select empno,ename,sal,trunc((sal/30),2) as daily\_sal from emp;

47. List the empno, ename, sal, experience of all ‘Analysts’.

Ans: select empno,ename,sal,experience from emp where job='ANALYST';

48. List the emps whose exp>6.5 Y.

Ans: select \* from emp where experience>6.5;

49. List the emps who joined in 2nd half of 1981.

Ans: --2nd half means july 1981,therefore:

select \* from emp where hiredate >=to\_date('01-06-1981','dd-mm-yyyy');

50. List all the emps in dept 10 who are working as Clerks.

Ans: select empno,ename,job,deptno from emp where job='CLERK' and deptno=10;

51. List the emps who joined before 1985 and salary is more than 3000.

Ans: select \* from emp where hiredate<'01-01-85' and sal >3000;