ORACLE PL/SQL

INTERVIEW QUESTIONS (QUERIES)

Basic Level

Learn with Pam

By Prof. Pramod Sutar

Linkedin id: https://www.linkedin.com/in/pramod-sutar-javadeveloper/

Youtube Channel: https://youtube.com/@user-ut1kc6rg3u?si=RCIHcmFg6-Bhv469



BASIC LEVEL SQL QUERIES TOP 30

SELECT * FROM EMP1;
1) SQL Query to find second highest salary of Employee
SELECT MAX(SAL) FROM EMP1
WHERE SAL NOT IN (SELECT MAX(SAL) FROM EMP1);
2) SQL Query to find Max Salary from each department
SELECT * FROM EMP1;
SELECT DEPTNO,MAX(SAL)
FROM EMP1
GROUP BY DEPTNO;
3) Write SQL Query to display current date.
SELECT SYSDATE FROM DUAL;

not.
SELECT
CASE
WHEN TO_DATE('02-NOV-23', 'DD-MON-YY',
'NLS_DATE_LANGUAGE=AMERICAN') IS NOT NULL
THEN 'Valid Date'
ELSE 'Invalid Date'
END AS Date_Check
FROM dual;
5) Write a SQL Query to print the name of distinct employee whose HIREDATE is between 01/01/81 to 31/12/81
SELECT * FROM EMP1;
SELECT DISTINCT ENAME, HIREDATE FROM EMP1
WHERE HIREDATE BETWEEN '01-JAN-81' AND '31-DEC-81';
6) Write an SQL Query find number of employees according to job whose hIREDATE is between '01-JAN-81' AND '31-DEC-81.
SELECT * FROM EMP1;
SELECT JOB,COUNT(*) FROM EMP1
WHERE HIREDATE BETWEEN '01-JAN-81' AND '31-DEC-81'
GROUP BY JOB;

4) Write an SQL Query to check whether date passed to Query is date of given format or

SELECT ENAME FROM EMP1

or
SELECT JOB, COUNT(*)
FROM EMP1
WHERE HIREDATE BETWEEN TO_DATE('1981-01-01', 'YYYY-MM-DD') AND TO_DATE('1981-12-31', 'YYYY-MM-DD')
GROUP BY JOB;
7) Write an SQL Query to find employee whose Salary is equal or greater than 1000
SELECT * FROM EMP1;
SELECT * FROM EMP1 WHERE SAL >= 1000;
8) Write an SQL Query to find name of employee whose name Start with 'M'
SELECT * FROM EMP1;
SELECT ENAME FROM EMP1
WHERE ENAME LIKE 'M%';
9) find all Employee records containing the word "RD", regardless of whether it was stored as Rd, or rd.

Learn with Pam SUBSCRIBE

WHERE LOWER(ENAME) LIKE LOWER('%rd%');
10) Write a SQL Query to find year from hiredate
SELECT * FROM EMP1;
SELECT HIREDATE, EXTRACT(YEAR FROM HIREDATE) FROM EMP1;
11) To fetch ALTERNATE records from a table. (EVEN NUMBERED)
SELECT * FROM EMP1;
WITH CTE AS (
SELECT ROWNUM as rn, A.*
FROM EMP1 A
)
SELECT A.*
FROM CTE A
WHERE MOD(rn, 2)=0;
12) To select ALTERNATE records from a table. (ODD NUMBERED)
WITH CTE AS (
SELECT ROWNUM as rn, A.*
FROM EMP1 A

```
Oracle PL/SQL Interview Questions
)
SELECT A.*
FROM CTE A
WHERE MOD(rn, 2) <> 0;
13) Find the 3rd MAX salary in the emp1 table.
SELECT * FROM EMP1;
WITH CTE AS (
select ename,sal,dense_rank() over (order by sal DESC) as rank
from emp1
)
SELECT ENAME, SAL FROM CTE
where rank=3
order by sal desc;
--Neglect Null
WITH CTE AS (
 SELECT ename, sal, DENSE_RANK() OVER (ORDER BY sal DESC) AS rank
FROM emp1
 WHERE sal IS NOT NULL -- Filter out null salaries
)
SELECT ename, sal
FROM CTE
WHERE rank = 3
```

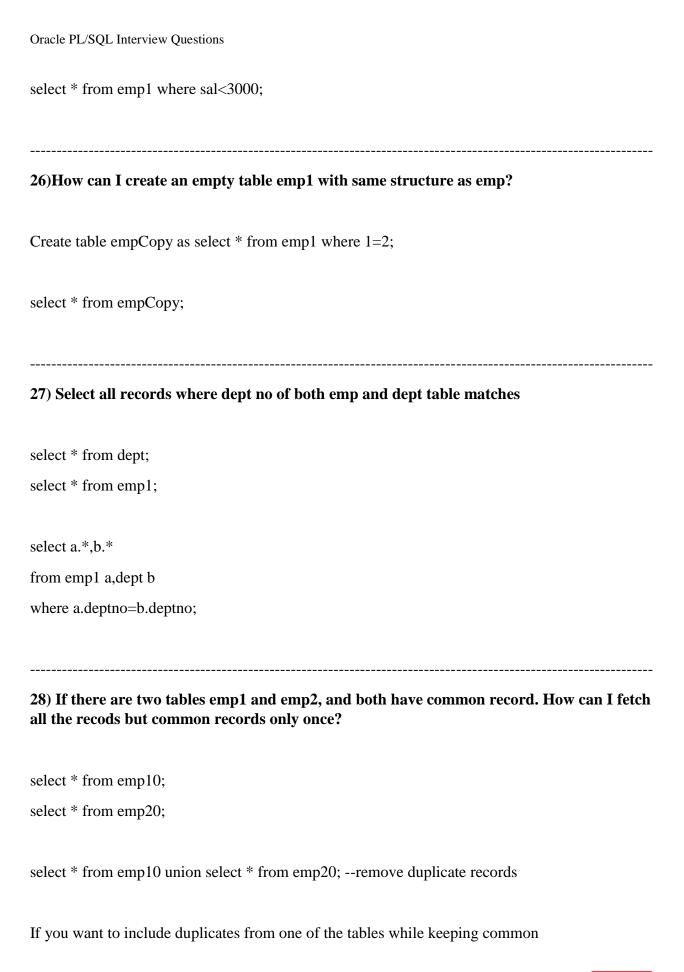
```
ORDER BY sal DESC;
14. Find the 3rd MIN salary in the emp table.
WITH CTE AS (
 SELECT ename, sal, DENSE_RANK() OVER (ORDER BY sal) AS rank
 FROM emp1
 WHERE sal IS NOT NULL -- Filter out null salaries
)
SELECT ename, sal
FROM CTE
WHERE rank = 3
ORDER BY sal;
15) Select FIRST 5 records from a table.
select rownum,a.* from emp1 a
where rownum<=5;
16) Select LAST 5 records from a table
select * from emp1;
SELECT ROWNUM, a.*
FROM (
 SELECT *
```

```
FROM emp1
 ORDER BY ROWNUM DESC
) a
WHERE ROWNUM <= 5;
or
WITH CTE AS (
 SELECT a.*
 FROM emp1 a order by rownum desc
)
SELECT rownum, a.* FROM CTE a
WHERE rownum <= 5
ORDER BY rownum;
17) List dept no., Dept name for all the departments in which there are no employees in the
department.
SELECT * FROM EMP1;
select deptno,count(*) from emp1
group by deptno
having count(*)=0;
18) How to get 3 Max salaries?
SELECT * FROM EMP1;
```

SELECT DISTINCT ename, sal
FROM emp1
WHERE sal IS NOT NULL
ORDER BY sal DESC
FETCH FIRST 3 ROWS ONLY;
19) How to get 3 Min salaries ?
SELECT DISTINCT ename, sal
FROM emp1
WHERE sal IS NOT NULL
ORDER BY sal
FETCH FIRST 3 ROWS ONLY;
20)Select all record from emp table where deptno =10 or 20
SELECT * FROM EMP1;
select * from emp1
where deptno in (10,20);
21)Select all record from emp table where deptno=10 and 20
select * from emp1

Oracle PL/SQL Interview Questions
where deptno=10 and deptno=20;
22) Select all records where ename starts with 'S' and its lenth is 5 char
select * from emp1;
select * from emp1
where ename like 'S';
23) Select all records where ename may be any no of character but it should end with 'G'.
select * from emp1;
select * from emp1
where lower(ename) like lower('%g');
24) In emp table add comm+sal as total sal .
select * from emp1;
select comm,sal,nvl(comm,0)+nvl(sal,0) as Total from emp1;
25) Select all employees whose salary <3000 from emp1 table.

Learn with Pam SUBSCRIBE



Oracle PL/SQL Interview Questions
records unique, you can use UNION ALL instead of UNION
29) How can I retrive all records of emp10 those should not present in emp20? select * from emp10 minus select * from emp20;
30) Count the total sal deptno wise where more than 2 employees exist.
select * from emp1;
SELECT deptno, sum(sal) As totalsal
FROM emp1
GROUP BY deptno
HAVING COUNT(empno) > 2;
31) Display the names of employees who are working in the company for the past 5 years.
select * from emp1;
select ename from emp1 where (sysdate-hiredate)>(5*365);

employees working as clerks, salesman or analyst.

select * from emp1;
select ename from emp1 where deptno in (10,20,40) or job in ('CLERK','SALESMAN','ANALYST');
33) Display employee names for employees whose name ends with alphabet n.
select ename from emp1 where ename like '%N';
or
select ename from emp1 where lower(ename) like lower('%N');

32) Display the names of employees working in department number 10 or 20 or 40 or

THANK YOU

Learn with Pam

By Prof. Pramod Sutar

Linkedin id: https://www.linkedin.com/in/pramod-sutar-javadeveloper/

Youtube Channel: https://youtube.com/@user-ut1kc6rg3u?si=RCIHcmFg6-**Bhv469**

