1. Waq to display all the employees whose salary is greater than their managers’ salary

Ans.

Select e1.ename as employee

From emp e1, emp e2

Where e1.mgr = e2.empno

And e1.sal > e2.sal;

1. Waq to display all the details of employees whose reporting manager do not have a reporting manager.

Ans.

select \*

from (select \* from emp where empno in(select mgr from emp))

where mgr is null;

or

select \* from emp

where empno in (select empno from emp

where empno in (select mgr from emp))

and mgr is null;

1. Waq to display the number of employees who are acting as reporting managers.

Ans.

Select count(distinct mgr)

from emp;

or

select count(\*)

from emp

where empno in ( select mgr from emp

where mgr is not null);

1. Waq to display number of managers acting as reporting managers.

Ans.

select count(\*)

from emp

where empno in ( select mgr from emp

where mgr is not null)

and job=’MANAGER’;

1. Waq to display department name which is having more than one employee hired on the same date.

Ans.

select dname from dept

where deptno in (select d.deptno

from emp e, dept d

where e.deptno=d.deptno

group by hiredate,d.deptno

having count(\*) > 1)

1. Display dept name and loc for all the employees who do not have reporting managers and their hiredate is not between 1980 and 1985.

Ans.

Select dname,loc

From dept

Where deptno in ( select deptno

From emp

Where mgr is null and

Hiredate not between ’01-JAN-1980’ and ’31-DEC-1981’);

1. Waq to display the name of the employee who has at least 2 reporting employees.

Ans.

Select ename

From emp

Where empno in ( select mgr

From emp

Group by mgr

Having count(\*)> =2);

1. Waq to display total salary of an employee (total salary = salary + commission) with a hike of 35% in their salaries if they do not have any commission.

Ans.

//only for employees who don’t get commission//

Select ename,sal\*1.35

From emp

Where comm is null;

//for both who get and who don’t get commission//

Select ename, sal+nvl(comm,sal\*0.35)

From emp;

Or

Select ename , nvl2(comm,sal+comm,sal\*1.35)

From emp;

1. Waq to display ename, dname and annual salary of all the employees only if they have at least 2 reporting employees and their name is ending with first character of their job.

Ans.

Select ename,dname,sal\*12 as annual\_salary

From emp e, dept d

Where e.deptno=d.deptno

And

empno in (select mgr from emp group by mgr having count(\*)>=2)

And

Upper(substr(ename,-1,1))=upper(substr(job,1,1));

1. Waq to display ename,dname,loc of all the employees whose salary is equal to 10th max sal.

Ans.

Select ename,dname,loc

From emp e, dept d

Where e.deptno=d.deptno

And

9 = (select count(distinct sal) from emp

Where e.sal<emp.sal);

1. Waq to display names of the employees who were hired on 10th of any month any year.

Ans.

Select ename

From emp

Where to\_char(hiredate,’DD’)=10;

OR

SELECT ENAME

FROM EMP

WHERE HIREDATE LIKE ‘10%’;

1. Waq to display names of the employee in following format:

FORMAT : ex: HELLO SMIth YOUR WORKING IN dalLAS

Ans.

SELECT

‘HELLO ‘ || CONCAT(UPPER(SUBSTR(ENAME,1,ROUND(LENGTH(ENAME)/2))),

LOWER(SUBSTR(ENAME,ROUND(LENGTH(ENAME)/2)+1))) || ‘ YOU ARE WORKING IN ‘ || CONCAT(UPPER(SUBSTR(DNAME,1,ROUND(LENGTH(DNAME))/2)),

LOWER(SUBSTR(DNAME,ROUND(LENGTH(DNAME)/2)+1)))

FROM EMP E , DEPT D

WHERE E.DEPTNO =D.DEPTNO;

1. Waq to display the dept name and loc only if there are at least two salesman in it.

Ans.

SELECT DNAME , LOC

FROM DEPT

WHERE DEPTNO IN ( SELECT DEPTNO

FROM EMP

WHERE JOB =’SALESMAN’

GROUP BY DEPTNO

HAVING COUNT(\*)>=2);

1. Waq to display all the employees who were hired on Friday and their salary is greater than their manager.

Ans.

SELECT E1.ENAME AS EMPLOYEE

FROM EMP E1, EMP E2

WHERE E1.MGR = E2.EMPNO

AND E1.SAL > E2.SAL

AND TO\_CHAR(HIREDATE,’DAY’) = TRIM(‘FRIDAY’);

1. Waq to display all the employees whose name starts with an vowel and ends with a consonant.

Ans.

SELECT \*

FROM EMP

WHERE UPPER(SUBSTR(ENAME,1,1)) IN (‘A’,’E’,’I’,’O’,’U’)

AND

UPPER(SUBSTR(ENAME,-1,1)) NOT IN (‘A’,’E’,’I’,’O’,’U’);

1. Waq to select all the employees whose name is having at least 2 L’s without using like and instr function.

Ans.

SELECT \*

FROM EMP

WHERE LENGTH(ENAME)-LENGTH(REPLACE(UPPER(ENAME),’L’)) >=2;

1. Waq to display the department names which is having more than 4 employees and their departmental total salary is between 10000 and 15000.

Ans.

SELECT DNAME

FROM DEPT

WHERE DEPTNO IN ( SELECT DEPTNO

FROM EMP

GROUP BY DEPTNO

HAVING COUNT(\*) > 4

AND

SUM(SAL) BETWEEN 10000 AND 15000);

1. Waq to display details of reporting managers only if their salary is greater than 3000.

Ans.

SELECT \*

FROM EMP

WHERE EMPNO IN ( SELECT MGR FROM EMP WHERE MGR IS NOT NULL)

AND

SAL >3000;

1. Waq to display the department which has no employees in it.

Ans.

SELECT DNAME

FROM DEPT

WHERE DEPTNO NOT IN (SELECT DEPTNO FROM EMP);

OR

SELECT DNAME

FROM EMP E , DEPT D

WHERE E.DEPTNO(+)=D.DEPTNO

MINUS

SELECT DNAME

FROM EMP E , DEPT D

WHERE E.DEPTNO=D.DEPTNO;

1. Waq to display bottom 3 maximum salaries.

Ans.

SELECT \* FROM EMP E1

WHERE 2>= ( SELECT COUNT(DISTINCT SAL)

FROM EMP E2

WHERE E1.SAL > E2.SAL)

ORDER BY SAL DESC;