1. **List the department without any employees in it.**

SELECT dname FROM dept

WHERE deptno

NOT IN (SELECT deptno FROM emp);

1. **List the name and job of the employees who does not report to anybody.**

SELECT ename,job FROM emp

WHERE job LIKE "PRE%"

1. **Write a query that will give you the names and jobs of all employees in New York with a commission above 10.**

SELECT ename,job FROM emp

WHERE comm > 10;

1. **How many employees work in Chicago?**

SELECT COUNT(\*) FROM emp

WHERE deptno = (SELECT deptno FROM dept

WHERE loc LIKE "Chicago");

1. **Which employees work in Chicago?**

SELECT ename FROM emp

WHERE deptno=(SELECT deptno FROM dept

WHERE loc LIKE "Chicago");

1. **List the employees’ names and cities in which they work. Order the list by city.**

SELECT e.ename,d.loc

from emp e

left join dept d on

e.deptno=d.deptno

ORDER BY d.loc,ename;

1. **Find the number of different employees and number of departments.\*\***

SELECT dname, COUNT(\*)

FROM dept d

INNER JOIN emp e

ON e.deptno = d.deptno

GROUP BY d.deptno, d.dname

ORDER BY dname;

1. **Display the employees who were hired before their managers.**

SELECT e.ename  
FROM emp e, emp mgr  
WHERE e.mgr = mgr.empno AND e.hiredate<mgr.hiredate

1. **Determine the number of managers without listing them.**

SELECT COUNT(\*)

FROM emp

WHERE job like "man%";

1. **Display the name and title of all employees who do not have a manager.**

SELECT ename,job

FROM emp

WHERE mgr IS NULL;

1. **Create a query to display the employee name and department number for employee SMITH.**

SELECT ename,deptno

FROM emp

WHERE ename like "smith";

1. **Display the salesmen who are not in Boston**

SELECT ename

FROM emp

WHERE job LIKE "SALESMAN"

AND deptno = (SELECT deptno

FROM dept WHERE loc LIKE "BOSTON")

1. **List the details of the employees along with their location.**

SELECT e.\*,d.dname,d.loc

FROM emp e

LEFT JOIN dept d

ON d.deptno=e.deptno

1. **List the salesmen who are drawing salary less than Miller.**

SELECT ename

FROM emp

WHERE job LIKE "SALES%"

AND SAL < (SELECT SAL

FROM EMP

WHERE ename LIKE "MILLER")

1. **Display the details of the employee working in Chicago.**

SELECT e.\*,d.dname

FROM emp e

LEFT JOIN dept d

ON d.deptno=e.deptno

WHERE d.loc LIKE "chi%"

1. **Find the names of all employees whose salaries are greater than the minimum salary for the Manager.**

SELECT ename

FROM emp

WHERE sal > (SELECT MIN(sal)

FROM EMP WHERE

job LIKE "MAN%")

1. **Select the last name and job id from all employees whose department id is equal to accounting.**

SELECT ename,empno

FROM emp

WHERE deptno = (SELECT deptno

FROM dept WHERE dname LIKE

"ACCOU%")

1. **Display those emp who are working as manager.**

SELECT ename

FROM emp

WHERE job LIKE "MAN%"