1. List the department without any employees in it.

SELECT dname

FROM dept

LEFT OUTER JOIN emp

ON emp.deptno = dept.deptno

WHERE ename IS NULL

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

SELECT ename,job

FROM emp

WHERE emp.mgr IS NULL

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 AND deptno != (SELECT deptno from dept WHERE dname LIKE 'NEW YORK')

1. How many employees work in Chicago?

SELECT COUNT(\*)

FROM emp

JOIN dept

WHERE loc LIKE 'CHICAGO'

1. Which employees work in Chicago?

SELECT ename

FROM emp

JOIN dept

WHERE loc LIKE 'CHICAGO'

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

SELECT ename,loc

FROM emp

INNER JOIN dept

ORDER BY loc

OR

SELECT a.ename,b.loc  
FROM emp a,(SELECT loc,deptno  
 FROM dept  
 order by loc) b  
WHERE a.deptno = b.deptno

1. Find the number or different employees and number of departments.

SELECT COUNT(DISTINCT(emp.ename)) AS 'emp count', COUNT(DISTINCT(dept.deptno)) AS 'dept count'

FROM emp

INNER JOIN dept

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

SELECT e.ename

FROM emp e

JOIN emp m

ON e.mgr=m.empno

WHERE e.hiredate<m.hiredate

1. Determine the number of managers without listing them.

SELECT COUNT(\*)

FROM emp

WHERE job LIKE 'MANAGER'

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

SELECT ename

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

JOIN dept USING (deptno)

WHERE job LIKE 'SALESMAN'

AND loc NOT LIKE 'BOSTON'

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

SELECT \*

FROM emp

JOIN dept USING (deptno)

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

SELECT ename

FROM emp

WHERE sal< (SELECT sal

FROM emp

WHERE ename LIKE 'MILLER')

1. Display the details of the employee working in Chicago

SELECT \*

FROM emp

JOIN dept

WHERE loc LIKE 'CHICAGO'

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 'MANAGER'

GROUP BY job

)

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

SELECT e.lastname, e.employeeid

FROM employees e

JOIN dept d

WHERE deptno = (SELECT deptno

FROM dept

WHERE dname LIKE "ACCOUNTING"

)

1. Display those emp who are working as manager

SELECT ename

FROM emp

WHERE job LIKE 'MANAGER'