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 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 deptno IN ( SELECT deptno

FROM dept

WHERE loc LIKE 'NEWYORK' )

AND comm > 10

(OR)

SELECT ename, job

FROM emp e JOIN dept d

USING (deptno)

WHERE loc LIKE 'NEWYORK'

AND comm > 10

1. How many employees work in Chicago?

SELECT COUNT(ename)

FROM emp e

JOIN dept d

WHERE e.deptno=d.deptno AND d.loc LIKE 'CHICAGO'

(OR)

SELECT COUNT(ename)

FROM emp e

WHERE deptno IN (SELECT deptno

FROM dept

WHERE loc LIKE 'CHICAGO')

1. Which employees work in Chicago?

SELECT ename

FROM emp e

JOIN dept d

WHERE e.deptno=d.deptno AND d.loc LIKE 'CHICAGO'

(OR)

SELECT ename

FROM emp e

WHERE deptno IN (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

JOIN dept d

WHERE e.deptno=d.deptno

ORDER BY 2

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

SELECT COUNT(DISTINCT empno) as NumberOfEmployees,

COUNT(DISTINCT deptno) as NumberOfDepartments

FROM emp

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

SELECT ename

FROM (SELECT x.\*, y.hiredate as mgr\_hiredate

FROM emp x JOIN emp y

ON x.mgr = y.empno

)

WHERE hiredate < mgr\_hiredate

1. Determine the number of managers without listing them.

SELECT COUNT(DISTINCT mgr)

FROM emp

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 deptno in ( SELECT deptno

FROM dept

WHERE loc LIKE 'BOSTON')

AND job LIKE 'SALESMAN'

(OR)

SELECT ename FROM emp e

JOIN dept d USING (deptno)

WHERE d.loc LIKE 'BOSTON'

AND e.job LIKE 'SALESMAN'

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

SELECT \*,loc FROM emp e JOIN dept d

USING (deptno)

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

SELECT ename FROM emp

WHERE job LIKE 'SALESMAN'

AND sal < (SELECT sal FROM emp WHERE ename LIKE 'MILLER')

1. Display the details of the employee working in Chicago

SELECT \* FROM emp e JOIN dept d

WHERE e.deptno=d.deptno

AND d.loc LIKE 'CHICAGO'

(Or)

SELECT \* FROM emp

WHERE deptno IN

(

SELECT deptno

FROM 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')

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

SELECT ename, job FROM emp e JOIN dept d

WHERE e.deptno=d.deptno

AND dname LIKE 'ACCOUNTING'

(or)

SELECT ename, job FROM emp WHERE deptno IN

(SELECT d.deptno FROM dept d WHERE dname LIKE 'ACCOUNTING')

1. Display those emp who are working as manager

SELECT ename FROM emp WHERE empno in

(SELECT mgr FROM emp)