1. **List the department without any employees in it.**SELECT d.dname  
   FROM dept d  
   LEFT JOIN emp e ON d.deptno = e.deptno  
   WHERE e.deptno IS NULL
2. **List the name and job of the employees who does not report to anybody.**SELECT ename, job  
   FROM emp  
   WHERE mgr IS NULL
3. **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 e, dept d  
   WHERE (e.deptno=d.deptno) AND (d.loc LIKE ‘new York’) AND (e.comm >10)
4. **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'
5. **Which employees work in Chicago?**SELECT ename  
   FROM emp e  
   JOIN dept d  
   WHERE e.deptno = d.deptno AND d.loc LIKE 'chicago'
6. **List the employees’ names and cities in which they work. Order the list by city.**  
   SELECT ename, loc  
   FROM emp e, dept d  
   WHERE e.deptno = d.deptno  
   ORDER BY loc
7. **Find the number of different employees and number of departments.**
8. **Display the employees who were hired before their managers.**SELECT e1.ename, e1.job   
   FROM emp e1,emp e2   
   WHERE e1.mgr=e2.empno AND e1.hiredate < e2.hiredate;
9. **Determine the number of managers without listing them.**SELECT COUNT(ename)  
   FROM emp  
   WHERE job LIKE ‘manager’
10. **Display the name and title of all employees who do not have a manager.**SELECT ename, job  
    FROM emp  
    WHERE mgr IS NULL
11. **Create a query to display the employee name and department number for employee SMITH.**SELECT ename, deptno  
    FROM emp  
    WHERE ename LIKE ‘smith’
12. **Display the salesmen who are not in Boston**SELECT ename  
    FROM emp  
    WHERE deptno = ( SELECT deptno  
     FROM dept  
     WHERE loc NOT LIKE ‘Boston’)
13. **List the details of the employees along with their location**SELECT \*  
    FROM emp e  
    JOIN dept d  
    ON e.deptno=d.deptno
14. **List the salesmen who are drawing salary less than Miller**SELECT ename  
    FROM emp  
    WHERE sal < ( SELECT sal  
     FROM emp  
     WHERE ename LIKE ‘miller’)
15. **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'
16. **Find the names of all employees whose salaries are greater than the minimum salary for the Manager** SELECT ename, sal  
    FROM emp  
    WHERE sal > ( SELECT MIN(sal)   
     FROM emp   
     WHERE job like "MANAGER")
17. **Select the last name and job id from all employees whose department id is equal to Accounting.**  
    SELECT ename, job  
    FROM emp, dept  
    WHERE emp.deptno=dept.deptno AND dname LIKE ‘accounting’
18. **Display those emp who are working as manager**  
    SELECT ename, empno  
    FROM emp  
    WHERE job LIKE ‘manager’