1. *Display the Name and Title of the Employee who do not have a manager.*

*SELECT eName, job FROM emp WHERE Mgr is NULL;*

1. *The sales department is simplifying the pricing policy for all products. The new base price is increasing by the lesser of 0.5 %. Analyze the difference in the two prices.*
2. *Display the employee details who have joined on the same day when KING has joined.*

*select \* from emp where hiredate= (select hiredate from emp where ename='king');*

1. *Find out the difference between maximum salary and salary earned by employee in deptno 10.*

*select (select max(sal) from emp where deptno=10)- sal from emp where deptno=10;*

1. *Find out the difference in Rs. Between average earning of dept 20 and 30.*

*select (select avg(sal) from emp where deptno=20) - (select avg(sal) from emp where deptno=30) diffrence;*

1. *Display name, salary, comm. For employee whose comm. > 5% of salary.*

*select ename,sal,comm from emp where comm>0.05\*sal;*

1. *Find out the employees whose salary is less than the average salary for dept 20.*

*select ename from emp where sal<( select avg(sal) from emp where deptno=20) ;*

1. *Display information of employee who has no people reporting to them.*

*select empno, ename from emp where empno not in(select mgr from emp where mgr is not null);*

1. *Display information of employees who is having maximum number of people reporting to them.*

*select count(mgr), mgr from emp group by mgr order by count(mgr) desc limit 1;*

1. *Give a query to concatenate empno, ename and mgr with spaces between.*

*select concat(empno," ", ename,' ' , ifnull(mgr, '\*')) from emp;*

1. *List the employee who is hired the earliest and least.*

*select ename,hiredate from emp where hiredate=(select min(hiredate) from emp) or hiredate=(select max(hiredate) from emp);*

1. *What length of longest ename and by how many characters is it long than its nearest one?*

*select (select length(ename) from emp order by length(ename) desc limit 1) -(select length(ename) from emp order by length(ename) desc limit 1,1);*

1. *Which employees earn less than 30% of president s salary?*

*select empno, ename from emp where sal<(0.3\*(select sal from emp where job='president'));*

1. *List the department spending highest on salary.*

*select deptno, sum(sal) from emp group by deptno order by sum(sal) desc limit 1;*

1. *List the department having least number of staff.*

*select count(empno) from emp group by deptno order by count(empno) limit 1;*

1. *List the department having neither the highest not the lowest of avg salary.*

*select sal, deptno from emp where sal<(select sum(sal) from emp) and sal >(select avg(sal) from emp) group by deptno;*

1. *Display details of all employees as Mr. Ford works under <manger name>.*

1. *Display employee information who have joined the organization before 'BLAKE'*
2. *Display employee information that has joined the organization before their subordinates.*
3. *List the employee (s) who earns the highest.*
4. *List the mgr in dept 10 along with their dept details as well manager refers to anyone to whom at least 1 person reports.*
5. *In which year did the most people join the organization? Display the year and the number of employees.*
6. *List number, name, job, manager number and manger’s job of each employee reporting to them*
7. *Display information about employees who have the maximum number of employees reporting to him*
8. *Display the details of all employees who report to BLAKE*
9. *Display the department no of all departments having more than 1 clerks*
10. *Which employees earn less than 30% of the president’s salary.*
11. *Display all employee names and the locations of their departments except ‘CHICAGO’*
12. *Display department that has no employees*
13. *Display the products purchased by JOCK SPORTS which are not purchased by JUST TENNIS*
14. *Write a query to find out the employees who are first to join their departments*
15. *Create a query to display the name, hiredate, and salary for all employees who have both the same salary and commission as Scott.*
16. *List all the employees who have at least one person reporting to them.*
17. *List the name of the employees with their immediate higher authority.*
18. *List all the employees who do not manage any one.*
19. *Write a query to display a ‘\*’ against the row of the most recently hired employee.*
20. *Write a correlated sub-query to list out the employees who earn more than the average salary of their department.*
21. *Find the 2nd maximum salary.*
22. *Select the duplicate records (Records, which are inserted, that already exist) in the EMP table.*