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

***select empno, ename, job from emp where isnull(mgr);***

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 empno, ename, job, hiredate 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 empno, ename, job, deptno, sal , sal-(select max(sal) from emp where deptno = 10) as `Max and sal difference` from emp where deptno = 10;***

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

***select distinct (select avg(sal) from emp where deptno = 20)-(select avg(sal) from emp where deptno = 30) as `Difference of average` from emp;***

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 empno, ename, job, sal, comm from emp where sal < (select avg(sal) from emp where deptno = 20);***

1. *Display information of employee who has no people reporting to them.*
2. *Display information of employees who is having maximum number of people reporting to them.*
3. *Give a query to concatenate empno, ename and mgr with spaces between.*

***select concat(empno, " ", ename," ", mgr) as details from emp;***

1. *List the employee who is hired the earliest and least.*
2. ***select \* from emp where hiredate = (select max(hiredate) from emp);***
3. ***select \* from emp where hiredate = (select min(hiredate) from emp);***
4. *What length of longest ename and by how many characters is it long than its nearest one?*

***select ename, length(ename) as len from emp order by len desc limit 2;***

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

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

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

***select max(ts) from(select deptno, sum(sal) as ts from emp group by deptno) as dt;***

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

***select deptno from (select deptno, count(empno) as cnt from emp group by deptno) as dt where cnt = (select min(cnt) from (select deptno, count(empno) as cnt from emp group by deptno) as dtt);***

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

***select deptno from ( select deptno, avg(sal) as avs from emp group by deptno ) as deptWHERE avs < (select max(avs) from select avg(sal) as avs from emp group by deptno) as sub) and avs > (select min(avs) from (select avg(sal) as avs fro emp group by deptno) as sub);***

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

***select \* from emp where mgr = (select empno from emp where ename = "grass");***

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.*
23. *List the Employees in Deptno 10 other than King.*