**LAB ASSIGNMENT 4**

**Q.1. Write a query to find the name , job, date of joining and the salary of the employees who have a higher salary than the employee whose job='President'.**

mysql> select ename,job,hiredate from emp where sal>(select sal from emp where job='PRESIDENT');

**Q.2. Write a query to find the details of all employees who work in the department 30.**

mysql> select \* from emp where deptno=30;

**Q.3. Write a query to find the name , phone number, address of the employees who have a manager and worked in a sales department.**

mysql> select ename,job from emp where deptno=(select deptno from dept where dname ='SALES') and mgr IS NOT NULL;

**Q.4. Write a query to find the name, job, salary of the employees who live in chicago.**

mysql> select ename,job,sal from emp where deptno in (select deptno from dept where loc='CHICAGO');

**Q.5. Write a query to find the name and salary of the employees whose salary is greater than the average salary.**

mysql> select ename,sal from emp where sal > (select avg(sal) from emp);

**Q.6. Write a query to find the name and salary of the employees whose salary is equal to the minimum salary for their job grade.**

mysql> select ename,sal from emp where sal in (select min(sal) from salgrade s,emp e where e.sal>=losal and e.sal<=hisal group by hisal)order by sal;

**Q.7. Write a query to find the name, date of joining and salary of the employees who earns more than the average salary and works in any of the accounting departments.**

mysql> select ename,hiredate,sal from emp where sal> (select avg(sal) from emp) and deptno in (select deptno from dept where dname='ACCOUNTING');

**Q.8. Write a query to find the name, and salary of the employees who earns more than the earning of Mr. Miller.**

mysql> select ename,sal from emp where sal > (select sal from emp where ename='MILLER');

**Q.9. Write a query to find the name, and salary of the employees who earn the same salary as the minimum salary for all departments.**

mysql> select ename,sal from emp where sal = (select min(sal) from emp);

**Q.10. Write a query to find the name, address and salary of the employees whose salary is greater than the average salary of all departments**

mysql> select ename,sal from emp where sal > (select avg(sal) from emp);

**Q.11. Write a query to find the name, date of joining and salary of the employees who earn a salary that is higher than the salary of all the Manager(JOB\_ID = 'MANAGER'). Sort the results of the salary of the lowest to highest.**

mysql> select ename,hiredate,sal from emp where sal > (select max(sal) from emp where job='MANAGER') order by sal;

**Q.12. Write a query to find the name and salary of the employees who are not analysts.**

mysql> select ename,sal from emp where job not in (select job from emp where job='ANALYST');

**Q.13. Write a query to display the employee ID, name, job, and department names of all employees.**

mysql> select empno,ename,job,dname from emp,dept where dname in(select dname from dept where emp.deptno=dept.deptno);

**Q.14. Write a query to display the employee ID, name, salary of all employees whose salary is above average for their departments.**

mysql> select empno,ename,sal from emp e where sal>(select avg(sal) from emp where deptno=e.deptno);

**Q.15. Write a query to fetch even numbered records from employees table.**

mysql> Select \* from (select \*,Row\_Number() OVER (order by empno) as rn from emp) e where e.rn mod 2 = 0;

**Q.16. Write a query to find the 5th maximum salary in the employees table.**

mysql> select ename, sal from emp e1 where (select count(distinct sal) from emp e2 where e2.sal>e1.sal)=4;

**Q.17. Write a query to find the 4th minimum salary in the employees table.**

mysql> select ename, sal from emp e1 where (select count(distinct sal) from emp e2 where e2.sal<e1.sal)=3;

**Q.18. Write a query to get 3 minimum salaries.**

mysql> select ename, sal from emp e1 where (select count(distinct sal) from emp e2 where e2.sal<e1.sal)<3 order by sal;