***MySQL Assignments***

**1) Select Queries**

1. Display all departments from department table.

**SELECT \* FROM DEPT**

2. Display all employees from employee table.

**Select \* from emp;**

3. Select the employee in department 30.

**Select \* from emp where dept\_no = 3;**

4. List the names, numbers and departmentno of all clerks.

**Select name, id, dept\_no from emp where role='clerk';**

5. Find the depart numbers and the name of employee of all dept with Deptno greater or equal to 20.

**Select dept\_no, name from emp where dept\_no >= 2;**

6. Find the employees whose commission is greater than their salary.

**Select commission from emp where salary<commission;**

7. Find the employees whose commission is greater than 60 percent of their salary.

**Select \* from emp where COMMISSION> (0.6)\*salary;**

8. Find the employee whose commission is greater than 50 percent of their salary. The result must show only one record.

**Select \* from emp where COMMISSION > (0.5)\*salary;**

9. List the name, job and salary of all employees in dept 20 who earn more than 2000.

**Select name, role, salary from emp where dept\_no = 2 and salary>2000;**

10. Find all salesmen in dept 30 whose salary is greater than or equal to Rs. 1500.

**Select \* from emp where dept\_no=3 and salary>=1500;**

11. Find all the employees whose job is either a president or manager.

**Select \* from emp where role in ('president', 'manager');**

12. Find all managers who are not in dept 30.

**Select \* from emp where dept\_no!= 30 and role='manager';**

13. Find the details of all managers and clerks in dept 10.

**Select \* from emp where role in ('clerk', 'manager') and DEPT\_NO=1;**

14. Find the details of all manager (in any dept) and all clerks in dept 10

**Select \* from emp where role = 'manager' or (role = 'clerk' and dept\_no = 1);**

15. Find the details of all managers in dept 10 and all clerks in dept 20.

**Select \* from emp where (role = 'manager' and dept\_no = 1) or (role = 'clerk' and dept\_no = 2);**

16. Find all employees who are neither clerks nor manager but whose salary is greater than or equal to Rs. 2000.

**Select \* from emp where salary >= 2000 and role not in ('clerk', 'manager');**

17. Find the employees who earns between Rs. 1200 and Rs.1400.

**Select \* from emp where salary between 1200 and 1400;**

18. Find the employees who are clerks, analysts or salesman.

**Select \* from emp where role in ('clerk', 'manager', 'salesman');**

19. Find the employees who are not clerks, analyst or salesman.

**Select \* from emp where role not in ('clerk', 'manager', 'salesman');**

20. Find the employees who do not receive a commission i.e. commission is NULL.

**Select \* from emp where COMMISSION is null;**

21. Find the employee whose commission is Rs. 0.

**Select \* from emp where COMMISSION = 0;**

22. Find the different jobs of the employees receiving commission.

**Select role from emp where COMMISSION is not null;**

23. Find all employees who do not receive a commission or whose Commission is less than Rs. 100.

**Select \* from emp where COMMISSION <100 and COMMISSION is null;**

24. The employees who not receiving commission are entailed to Rs. 250, Show the net earnings of all employees. (find about coalesce() )

25. Find all employees whose total earnings are greater than Rs. 2000.

**Select \* from emp where salary > 2000;**

26. Find all employees whose names begin with m.

**Select \* from emp where name like 'm%';**

27. Find all employees whose names end with m.

**Select \* from emp where name like '%m';**

28. Find all employees whose names contain the letter m.

**Select \* from emp where name like '%m%';**

29. Find the employees whose names are 5 characters long and end with n.

**Select \* from emp where name like '----n';**

30. Find the employees who have the letter r as the third letter in their name.

**Select \* from emp where name like '--r%';**