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 3.

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 >= 20;

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

SELECT \* FROM EMP WHERE COMMISSION > SALARY;

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

SELECT \* FROM EMP WHERE COMMISSION >(60%SALARY);

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

SELECT NAME FROM EMP WHERE COMMISSION >(50%SALARY);

9. List the name, job and salary of all employees in dept 2 who earn more than 2000.

SELECT NAME , ROLE, SALARY FROM EMP WHERE DEPT\_NO = 2 AND SALARY > 2000;

10. Find all salesmen in dept 3 whose salary is greater than or equal to Rs. 1500.

SELECT \*FROM EMP WHERE DEPTNO = 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 3.

SELECT \*FROM EMP WHERE ROLE = 'Manager' AND DEPT\_NO != 3;

13. Find the details of all managers and clerks in dept 1.

SELECT \*FROM EMP WHERE ROLE IN ('Manager', 'Clerks') 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'

UNION

SELECT \* FROM EMP WHERE ROLE = 'Clerk' AND DEPT\_NO = 10;

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

UNION

SELECT \* FROM EMP WHERE 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 ROLE NOT IN ('Manager','Clerk') AND SALARY >= 2000;

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

SELECT \*FROM EMP WHERE SALARY >=1200 AND SALARY <= 1400;

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

SELECT \*FROM EMP WHERE ROLE IN('Clerk', 'Analyst', 'Salesman');

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

SELECT \*FROM EMP WHERE ROLE NOT IN('Clerk', 'Analyst', '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 DISTINCT 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 IS NULL OR COMMISSION < 100;

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 + COMMISSION > 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%';