*********Assignment 1 – Select Query***********

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 =30;

4. List the names, numbers and department no of all clerks.

-> select ID, NAME, 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 D.ID, E.NAME, D.NAME FROM EMP E , DEPT D WHERE E.ID = D.ID AND E.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 > SALARY*60/100;

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 > SALARY*50/100;

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

-> SELECT NAME, ROLE, SALARY WHERE DEPT_NO = 20 AND SALARY > 2000;

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

-> SELECT * FROM EMP WHERE SALARY >= 1500 AND DEPT_NO = 30 AND ROLE = 'Salesman';

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 ROLE = 'Manager' AND DEPT_NO <> 30

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

-> SELECT * FROM EMP WHERE ROLE IN ('Manager', 'Clerk') and DEPT_NO = 10

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 = 10

UNION

SELECT * FROM EMP WHERE ROLE = 'Clerk' and DEPT_NO = 20

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 BETWEEN 1200 AND 1400

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

-> SELECT * FROM EMP WHERE ROLE IN ('Analyst', 'Clerk', 'Salesman')

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

-> SELECT * FROM EMP WHERE ROLE NOT IN ('Analyst', 'Clerk', '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 <> 0 OR 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 OR COMMISSION IS NOT NULL

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

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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 UPPER(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%'