**Oracle SQL Sessions**

**Assignment # 1**

Download the script for creating EMP and DEPT tables from the https://livesql.oracle.com/ which we are already aware. Create the tables and insert by running the contents of the script.

Write SQL for the below mentioned requirements to extract:

1. total number of employees :

SELECT COUNT(empno) FROM emp;

1. total number of departments:

SELECT COUNT(depno) FROM dept;

1. all the employees:

SELECT ename FROM emp;

4. all the departments:

SELECT dname FROM dept;

5. total salary paid for all employees.

SELECT SUM(salary) AS "Total Salary"

FROM emp;

6. total commission paid to all employees.

SELECT SUM(comm)

FROM emp;

7. Which job titles of the employees get commission paid.

8. System date

SELECT SYSDATE();

9. Average salary paid to all employees.

SELECT AVG(salary)

FROM emp;

10. How many employees are there in each department?

SELECT dept, COUNT(\*)

FROM emp

GROUP BY DEPT;

11. Total salary of the employees in each department

SELECT SUM(salary)

FROM emp;

12. How many employees are there under each job title?

13. Average salary paid for each job title.

14. hire day, month, and year for each employee.

SELECT empno, ename, to\_CHAR(hiredate, ‘MONTH DD,YYYY’ )

FROM emp;

15. Sort the employee department wise.

16. Sort the employee based on their job titles.

17. Sort the employee based on descending order of their salaries.

SELECT \* FROM emp

ODER BY salary DESC;

18. Sort the employee ascending order of their department and descending order of their salary.

SELECT \* FROM emp GROUP BY dname

ORDER BY salary DESC;

19. How many employees have their name with 6 characters.

SELECT ename FROM emp WHERE LENGTH(ename) = 6;

20. Maximum and minimum salary paid.

SELECT MAX(salary) , MIN(SALARY) FROM emp;

21. Maximum, minimum, average and sum of salary paid under each department.

SELECT SUM(salary) , AVG(salary) , MAX(salary) , MIN(salary)

FROM emp

GROUP BY dname;

22. Sort the employee based on their hire date.

SELECT\*FROM emp ORDER BY hiredate;

23. Employee who joined latest

SELECT MAX(hiredate) FROM emp;

24. Who is the oldest employee in the organization based on their hire date?

SELECT MIN(hiredate) FROM emp;

25. Sort the employee based on their hire year (descending) and department (ascending)

SELECT \* FROM emp

ORDER BY hiredate DESC,

Dname ASC;

26. Employees who get salaries greater than or equal to the average salary of employees.

SELECT \* FROM emp WHERE SALARY > AVG(salary);

27. Employees who get salary less than or equal to average salary of employees.

SELECT \* FROM emp WHERE SALARY < AVG(salary);

28. Employees get salaries between 2000 and 4000. 29. Which employees get the highest and lowest salary?

SELECT \* FROM emp WHERE SALARY BETWEEN (SELECT 2000) AND 4000.29;

30. We need to celebrate the joining month of the employees. We plan to buy a gift for each of them. How many gifts I need to buy for next month?

SELECT \* FROM emp WHERE to\_char(hiredate , ‘mon’) = SYSDATE(mon) ;