**SURE TRUST**

DATA ANALYTICS

TOPIC: SQL

ASSINGMENT-1

NAME: RENTALA VYSHNAVI

**1. Total number of employees**

Code:

select count(\*) from emp;

**2. Total number of departments**

Code:

select count(\*) from dept;

**3. All the employees**

Code:

select \* from emp;

**4. All the Departments**

Code: select \* from dept;

**5. Total salary paid for all employees**

Code:

select sum(sal)

from emp;

**6. Total commission paid to all the employees**

Code:

select sum(comm)

from emp;

**7. Which job title of the employees get commission paid**

Code:

select job, comm

from emp

where comm >0

group by job, comm;

**8. System date**

Code:

select sysdate as system\_date from dual;

**9. Average salary paid for each employee**

Code:

select avg(sal)

from emp;

**10. How many employees are their in each department**

Code:

select d.dname as dept\_name, count(e.empno) as count

from dept d

left join emp e on d.deptno = e.deptno

group by d.dname;

**11.Total salary of the employees in each department**

Code:

select d.deptno, d.dname, sum(e.sal) as tot\_sal

from dept d

inner join emp e on d.deptno = e.deptno

group by d.deptno, d.dname;

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

Code:

select job, count(empno) as num\_of\_emp

from emp

group by job;

**13.Average salary paid for each job title**

Code:

select job, avg(sal) as avg\_salary

from emp

group by job;

**14. Hireday,month,and year for each employee**

Code:

select ename, to\_char(hiredate, 'dd') as hire\_day,

to\_char(hiredate, 'mm') as hire\_month,

to\_char(hiredate, 'yyyy') as hire\_year

from emp;

**15.Sort the employee department wise**

Code:

select e.ename, e.deptno,

d.dname as dept\_name, d.loc as dept\_loc

from emp e

full outer join dept d on e.deptno = d.deptno

order by d.dname;

**16.Sort the employees based on their job titles**

Code:

select ename,job from emp

order by job;

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

Code:

select ename,sal from emp

order by sal desc;

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

Code:

select e.ename, e.job, e.deptno, d.dname

from emp e

full outer join dept d on e.deptno = d.deptno

order by e.deptno asc, e.sal desc;

**19.How many employees have their names with 6 characters**

Code:

select count(\*)

from emp

where length(ename) = 6;

**20.Maximum and Minimum salary paid**

Code:

select max(sal) as max\_sal,

min(sal) as min\_sal

from emp;

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

Code:

select d.deptno,

d.dname as dept\_name,

max(e.sal) as max\_sal,

min(e.sal) as min\_sal,

avg(e.sal) as avg\_sal,

sum(e.sal) as tot\_sal

from dept d

full outer join emp e on d.deptno = e.deptno

group by d.deptno, d.dname;

**22. Sort the employee based on their hiredate**

Code:

select ename, job , hiredate

from emp

order by hiredate;

**23. Employee who joined latest**

Code:

select ename,hiredate

from emp

where hiredate = (select max(hiredate)

from emp);

**24. Who is the oldest employee in the organization based on their hiredate**

Code:

select ename,hiredate

from emp

where hiredate = (select min(hiredate)

from emp);

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

Code:

select e.ename, e.hiredate, d.dname

from emp e

join dept d on e.deptno = d.deptno

order by (e.hiredate) desc, d.dname asc;

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

Code:

select empno, ename, sal

from emp

where sal >= (select avg(sal) from emp);

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

Code:

select empno, ename,sal

from emp

where sal <= (select avg(sal) from emp);

**28.Employees get salaries between 2000 & 4000**

Code:

select e.\* from emp e

full outer join dept d on e.deptno = d.deptno

where e.sal between 2000 and 4000;

**29.Which employees get the highest and lowest salary**

Code:

select empno, ename, sal

from em

where

sal = (select max(sal) from emp)

or

sal = (select min(sal) from emp);

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

Code:

select count (\*) as num\_employees

from emp

where extract (month from hiredate) = extract (month from current\_date);