ASSIGNMENT-1   BY   PUNURU HARSHITHA

1.Total number of employees

ANS: select count(*) from emp;

2. Total number of departments

ANS: select count(*) from dept;

3.all the employees

Ans:select * from emp;

4. all the departments

Ans:select * from dept;

5.total salry paid to all employees

Ans: select sum(sal) as total_salary from emp;

6.total commission paid to all employees

Ans:select sum(comm) as total_comm from emp;

7.whic job titles of the employee commission paid

Ans: select distinct job from emp where comm is not null;

8.system date

Ans: select sysdate from emp;

9.average salary paid to all employees

Ans: select avg(sal) from emp;

10.How many employees in each department

Ans:select deptno,count(*) as num_emp
from emp
group by deptno
 order by deptno;

11.Total salary of the employees in in each department

Ans: select sum(sal),deptno
 from emp
 group by deptno;

12.how amny employees are there under each job title?

Ans:
select job ,count(*) as total_emp
 from emp
group by job
order by job;

13.Average salary paid for each job title

Ans:select job ,avg(sal) as avg_emp
 from emp
 group by job
 order by job;

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

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

select * from emp order by deptno;

16.sort the employee based on their job titles

select * from emp order by job ;

17.sort the employee based on descending order of thair salaries

select * from emp order by sal desc;

18.sort the employee ascending order of thir department and descending order of thir salary.

select * from emp
order by deptno asc,sal desc;

19.how many employees have thir name with 6 characters

select count(*) as num_emp from emp
where length(ename)=6;

20.maximum and minimum salary paid

select max(sal),min(sal) from emp;

21.maximum,mininmum,average and sum of salary paid

select max(sal),min(sal),round(avg(sal),2) as avg_sal,sum(sal),deptno
from emp
group by deptno;

22.sort the employee based on thir hire date

select * from emp
order by hiredate;

23.employee who joined latest

select *
from emp
order by hiredate desc
fetch first 1 row only;

24.who is the oldest employee in the organization based on thir hire date?

select *
from emp
order by hiredate asc
fetch first 1 row only;

25.sort the employee based on thir hire year(descending) and department(ascending)

select *
from emp
order by to_char(hiredate, 'yyyy') desc, deptno asc;

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

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

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

```sql
select *
from emp
where sal <=(select  avg(sal) from emp);
```

28.employees get salaries betwwn 2000 and 4000.

```sql
select * from emp
where sal between 2000 and 4000;
```

29.which employees get the highest and lowest salary ?

```sql
select max(sal) as highest,min(sal) as lowest
from emp;
```

30.we need to celebrate the joining month of the employee s. We plan to buy a gift for each of them .How many gifts i need to buy for next month?

```sql
select count(*) as total_gift_next_month
from emp
where to_char(hiredate, 'mm-yyyy') = to_char(add_months(sysdate, 1), 'mm-yyyy';
```