Q) SQL Query to find the list of employees working in each department

select deptno,count(\*) from emp group by deptno;

Q) SQL Query to find the number of employees working in each job

select job,count(\*) from emp group by job;

Different functions available in Group by clause

1. count()
2. sum()
3. avg()
4. max()
5. min()

Q) SQL query to find the total salary paid to all the employees in each department

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

Q) SQL query to find the department wise max and min salary paying to employees

select deptno,max(sal), min(sal) from emp group by deptno;

How many columns we can use in Group by clause?

We can define n number of columns that has common data

Q) SQL query to find the department wise and job wise average salary paid to all employees

select deptno,job,avg(sal) from emp group by deptno,job;

Q) SQL query to find the number of employees reporting to each manager

select mgr,count(\*) from emp group by mgr;

Having clause in select query

* used to filter the groups

Q) SQL query to retrieve the department wise number of employees working and the count should be > 1

select job,count(\*) from emp group by job having count(\*)>1;

where….group by

Q) SQL query to count the number of clerks working in each department.

select deptno,count(\*) from emp group by deptno,job having job like 'CLERK';

OR

select deptno,count(\*) from emp where job like 'CLERK'group by deptno;

where….group by …. having

Q) SQL query to count the number of clerks working in each department and count should be > 1

select deptno,count(\*) from emp where job like 'CLERK'group by deptno having count(\*)>1;

Order By

Used to arrange the data in either ascending order or descending order

By default SQL, retrieves the data in Insertion order

Q) SQL query to retrieve the employee’s salary information in descending order

select empno,ename,sal from emp order by sal desc;

OR

select empno,ename,sal from emp order by 3 desc;

where 3 is the position of sal column in the result

Q) SQL query to retrieve the employee’s salary information including commission in descending order

select empno,ename,sal+nvl(comm,0) from emp order by 3 desc;