**Aggregate Function- max,min,avg,sum,count (**Aggregate function results a single value**)**

\***what is the max student age**

select max(age) from student

\***Get average marks of students from div A**

select avg(marks) from student where div='A'

\***Get number of students**

select count(\*) from student

select count(sname) from student

select count(marks) from student (null values not counting)

select sum(marks)/count(\*) from student (Here we will count the null values)

select avg(marks) from student (Here we will not count the null values)

select sum(marks)/count(marks) from student

\* **Get number of students in the agegroup 12 and 22**

select count(\*) from student where age between 12 and 22

\* **How many different divisions are present**

select count( distinct div) from student

**Group By Clause**

create table emp (

eno number,

ename varchar(20),

designation varchar(20),

sal number,

mgr int,

deptno number,

primary key(eno)

);

drop table emp

create table dept (

deptno number primary key,

deptname varchar(20),

loc varchar(20)

);

insert into dept values ('sales','mumbai',10);

insert into dept values ('hr','delhi',20);

insert into dept values ('accounts','chennai',30);

insert into dept values ('production','bangalore',40);

insert into emp values (1,'aaa','salesman',7000,2,10);

insert into emp values (2,'bbb','mgr',17000,3,10);

insert into emp values (3,'ccc','president',40000,null,30);

insert into emp values (4,'ddd','clerk',5000,5,20);

insert into emp values (5,'eee','mgr',20000,3,20);

\* **How many employees works as managers**

select \* from emp where designation='mgr'

\* **How many employees are present per designation**

select designation,count(\*) from emp group by designation

\***within each department how many employees are present**

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

\***Per department what is the max salary**

select deptno, max(sal) maximum\_salary from emp group by deptno