\***Create a table with columns**

create table student

(

rollno number,

sname varchar(20),

age number,

marks number,

div char(1)

);

\***Types of inserting values**

insert into student values(1,'abc',12,45,'A');

insert into student values(2,'PQR',22,NULL,'B');

INSERT INTO STUDENT(sname,rollno,age,marks,div) values('chj',3,32,13,'c')

\***Getting info from table**

SELECT \* FROM STUDENT

SELECT \* FROM STUDENT WHERE DIV='A'

\***Get details of student from div a and age 12**

select \* from student where div='A' and age='12';

\***Get details of student in age group 12-32**

select \* from student where age between 12 and 32;

OR

select \* from student where age>=12 and AGE<=32;

\***Get details of student by names**

select \* from student where sname='abc' and sname='chj';

OR

**IN operator**

SELECT \* FROM STUDENT WHERE SNAME IN('abc','chj');

**Null operator**

\***Get details of student who didnot appear for the exam(for null operator we use 'is ' instead of '=')**

select \* from student where marks is null;

\***Get details of student who appeared for the exam**

select \* from student where marks is not null;

**Like operator**

**\*Get details of student whose name starts with a.**

select \* from student where sname like 'a%' (starts with a, any number of character after that)

\_==>matches exactly one characher

%==>matches 0 or more character

select \* from student where sname like '%j' (ends with j,any number of character before that)

\***Get deails of students whose name starts and ends with a.**

select \* from student where sname like 'a%a'

\***Get deails of students whose name contains a anywhere.**

select \* from student where sname like '%a%'

\***Get deails of students whose name contains 'B' at second position.**

select \* from student where sname like '\_b%'

\***Get deails of students whose name contains \_(underscore).**

select \* from student where sname like '%$\_%' escape '$';

anything after $/anycharacter will treated as normal value when escape operator uses

**Distinct operator**

**\*Different division**

select div from student

**To find what are the divisions then we use 'Distinct ' keyword**

select distinct div from student

select distinct age from student

**OrderBy operator**

\***Arrange the details of student in the ascending order of their age**

select \* from student order by age;

**Arrange the details of student in the descending order of their age**

select \* from student order by age desc;

**Coloumn alias**

\***Arrange student details in descending order of marks considering students who have appeared for exam**

select \* from student where marks is not null order by marks desc;

\***Get name and percentage of all students**

select sname, marks\*2 from student

**Alias**

select sname student\_name, marks\*2 percentage from student

OR

select sname "student name", marks\*2 "percentage" from student

\***Get name and percentage ofall students who have scored more than 60%**

select sname student\_name, marks\*2 percentage from student where marks\*2>60

\***Get name and percentage ofall students who have scored more than 60% in ascending order**

select sname student\_name, marks\*2 percentage from student where marks\*2>60 order by marks\*2

\***Get name and percentage ofall students who have scored more than 60% in descending order**

select sname student\_name, marks\*2 percentage from student where marks\*2>60 order by marks\*2 desc