**Add a New column:**

alter table studentdata add (SGREDE varchar(20));

**Delete or drop the column:**

alter table studentdata drop column SGREDE;

**To modify the existing column:**

alter table studentdata modify column SNAME varchar (10);

alter table pets add column address varchar(10);

**To Rename the column:**

alter table studentdata rename column SNAME to STUNAME;

**To create the table:**

create table studentdata(SID int(5),SNAME varchar(15));

**To Insert the value in the Table:**

insert into studentdata(sid,sname) values(126,'HendryJohn');

**To print all the data from the table:**

select \*from studentdata;

**Delet,Drop,Truncate Commends:**

delete from studentdata;

drop table studentdata;

truncate table studentdata;

**ReName the Table:**

Rename Table studentdata To Student;

**Upper();**

select upper('kamesh');

**Unique contained:**

create table student(sno int(3),sname varchar(10),mark int(5),unique(sno));

insert into student values(5002,'Kamesh',68);

insert into student values(5002,charu,58);//

**primary key:**

create table student(sno int(3),sname varchar(10),mark int(5),primary key(sno));

insert into student values(null,'amuthu',62);----invalid

insert into student values(001,kanna,65);-----valid

**Foreign Key:**

create table school(sno int(3),sname varchar(10),mark int(5),primary key(sno));

create table library(sno int(3),foreign key(sno) references school(sno),book\_name varchar(20));

delete from school where sno=102;

**Deleting the parent table without deleting the child table**

create table library(sno int(3),book\_name varchar(20),foreign key(sno) references school(sno) On delete cascade);

delete from school where sno=102;

**Cheek constraints:**

create table students(sno int(5),sname varchar(10),mark int(5) check(mark between 50 and 100));

insert into students values(1001,'amith',40);

insert into students values(1002,'jeny',62);

select \*from students;

**datetime constraint:**

create table orders(Id int(5),ordernumber int(5),orderdate datetime default now());

insert into orders values (1001,15698,'2022-09-07 15:27:38');

select now();

select \* from orders;

insert into orders(Id,ordernumber)values(1234,15588664);

**INNER JOIN:**

create table tab1(numid int(5));

create table tab2(numid int(5));

insert into tab2 values(11);

insert into tab2 values(12);

insert into tab2 values(13);

insert into tab2 values(15);

select \*from tab1 inner join tab2

on tab1.numid=tab2.numid;

**Left Join:**

**select \*from tab1 left join tab2**

**on tab1.numid=tab2.numid;**

**Right Join:**

**select \*from tab1 right join tab2**

**on tab1.numid=tab2.numid;**

**select Fname,salary,department.dept\_id from employees inner join department**

**on employees.Dept\_id=department.Dept\_id;**

**select Emp\_Id,Fname,Lname,DOJ,salary,department.dept\_id from employees left join department**

**on employees.Dept\_Id=department.Dept\_id;**

**Sub quires:**

select salary from employees where salary<(select salary from employees where Fname='ram');

**sub quires for second max salary:**

select max(salary)from employees where salary<(select max(salary) from employees);

**Find the salary of the employees whose salary is greater than the salary of the employees where emp\_Id=1004;**

select salary from employees where salary>(select salary from employees where Emp\_ID=1004);

**display the employees who all are earning the highest salary**

select\*from employees where salary=(select max(salary)from employees)

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