CREATE TABLE Persons (

ID int primary key,

Name varchar(45) NOT NULL,

Age int CHECK (Age>=18) );

insert into persons values(1,'ram',20);

insert into persons values(2,'ram123',15);

CREATE TABLE Persons1 (

ID int primary key,

Name varchar(45) NOT NULL,

city varchar(20) default 'Hyderabad',

Age int CHECK (Age>=18) );

insert into persons1 values(2,'ram123','Chennai',25);

select \* from persons1;

insert into persons1(id,name,age) values(3,'ram223123',22);

create table products(id int primary key auto\_increment , name varchar(20) not null);

insert into products values(1,'box');

select \* from products;

insert into products(name) values('bag45');

use cbs1;

show tables;

CREATE TABLE Persons (

Person\_ID int NOT NULL PRIMARY KEY,

Name varchar(45) NOT NULL,

Age int,

City varchar(25)

);

insert into Persons values(6,'ram',20,'hyd'),(2,'kiran',20,'hyd'),(3,'raj',20,'hyd');

desc persons;

select \* from persons;

drop table persons;

CREATE TABLE Orders (

Order\_ID int NOT NULL PRIMARY KEY,

Order\_amount int NOT NULL,

Person\_ID int,

FOREIGN KEY (Person\_ID) REFERENCES Persons(Person\_ID)

);

insert into orders values(101,1000,2);

insert into orders values(102,5000,3);

insert into orders values(103,5000,2);

insert into orders values(104,5000,2);

insert into orders values(115,5000,null);

select p.Person\_id PersonSRNo,p.name,p.city,o.order\_amount Amount from Persons p,Orders o where p.Person\_id=o.Person\_id;

show tables;

desc orders;

select \* from products;

DELIMITER $$

CREATE PROCEDURE getproduct(IN id1 INT)

BEGIN

SELECT \* from products where id= id1;

END $$

DELIMITER ;

CALL getproduct(2);

DELIMITER $$

CREATE PROCEDURE sqr(IN x INT,OUT y INT)

BEGIN

set y=x\*x;

END $$

DELIMITER ;

DELIMITER $$

CREATE PROCEDURE sqr(IN x INT,IN y INT,OUT Z INT)

BEGIN

set z=x\*x+y\*y;

END $$

DELIMITER ;

select \* from product;

select \* from orders;

select \* from persons;

select \* from products,orders;

insert into Persons values(6,'ram',20,'hyd');

#inner join

select p.person\_id,p.name,p.age,p.city,o.order\_id,o.order\_amount from persons p inner join orders o on p.person\_id=o.person\_id;

#left join

select p.person\_id,p.name,p.age,p.city,o.order\_id,o.order\_amount from persons p left outer join orders o on p.person\_id=o.person\_id;

#right join

select p.person\_id,p.name,p.age,p.city,o.order\_id,o.order\_amount from persons p right outer join orders o on p.person\_id=o.person\_id;

#union, union all - full outer join

select p.person\_id,p.name,p.age,p.city,o.order\_id,o.order\_amount from persons p left outer join orders o on p.person\_id=o.person\_id

union

select p.person\_id,p.name,p.age,p.city,o.order\_id,o.order\_amount from persons p right outer join orders o on p.person\_id=o.person\_id;

select \* from persons,orders;