**Data base lab total**

create database ethiopian

go

use master

go

alter database ethiopian modify name=softwar;

create table engi(id int not null,name varchar(90) unique,

department char(78) default 'software',age int check(age>80),primary key(id))

alter table engi add sex char(2);

insert into engi values(2345,'hello',default,89,'M')

insert into srs values(235,'helo',default,90,'f')

select \*from engi

exec sp\_rename 'engi','srs'

exec sp\_rename 'srs.sex','stud\_sex'--to rename column

select \*from srs

alter table srs drop column stud\_sex;--inorder to drop a column

alter table srs add sex char(2);

insert into srs values(6,'yu',default,99,'m')

insert into srs values(256,'hooo',default,90,'f')

insert into srs values(21,'ooo',default,100,'m')

update srs set sex='M' where age =89 ;----inorder to update a column

update srs set department='elec' where age =89

select id from srs where id=2345--to display atomic values

delete from srs where id=235--inorder to delete a row

create table wow(id int not null,name varchar(90) unique,

department char(78) default 'software',age int check(age>80),primary key(id))

alter table wow add sex char(2);

select \*from wow

insert into wow values(25,'heo',default,95,'f')

insert into wow values(65,'o',default,99,'m')

insert into wow values(21,'ooo',default,100,'m')

select \*from wow union select \*from srs

select \*from wow intersection select \*from srs

select distinct sex from wow --to display specific value without duplication

select \*from wow union select \*from srs order by name desc--descending order

select \*from wow order by sex---ascending order

select top 2 \*from wow---to display the most two top elements

update wow set department='cs' where id=6

update wow set id=id+3--to add values to the whole row

select \*from wow

update wow set id=id+4 where department='cs'---to add values to a specific row

select count(name) from wow----to count the no of specific row(\*-->whole row)

create table u(id int ,name varchar(90) unique,

department char(78) default 'software',age int check(age>80),primary key(id))

create table mo(id int primary key, name varchar(90) unique,

department char(78) default 'software',u\_id int references u(id),age int check(age>80))

insert into u values(25,'heo',default,95)

insert into mo values(29,'o56',default,25,99)

insert into u values(27,'yu',default,100)

insert into mo values(261,'hemnbo',default,27,95)

insert into u values(65,'o',default,99)

insert into mo values(78,'oofgho',default,65,100)

--is used to alianse change temporary column name

select id as tempo\_id,name as STUD\_name from wow

/\*inner join have to the same

--value for forign key and primary key display\*/

select u.name,u.id,u.age,u.department,mo.name,mo.id,mo.age,

mo.department from u inner join mo on u.id=mo.u\_id;

--u in the left and mo the right table the

--value of mo much exactly u display otherwises mo value null

select u.name,u.id,u.age,u.department,mo.name,mo.id,mo.age,

mo.department from u left outer join mo on u.id=mo.u\_id;

----u in the left and mo the right table the

--value of mo much exactly u display otherwises u valu nulle

select u.name,u.id,u.age,u.department,mo.name,mo.id,mo.age,

mo.department from u right join mo on u.id=mo.u\_id;

--fully display

select u.name,u.id,u.age,u.department,mo.name,mo.id,mo.age,

mo.department from u full outer join mo on u.id=mo.u\_id;