create database Infotech

show databases

use Infotech

create table consultant1(

id int,

name varchar(20),

address varchar(40)

)

show tables

select \* from consultant

-- DML commands insert, update,delete ---

insert consultant values(1, 'Buvana', 'India')

insert consultant (id,name)values(2, 'Devi')

set sql\_safe\_updates=0

update consultant set address = 'wales'

update consultant set address = 'India'

where id=2

delete from consultant where name='Devi'

-- DDL commands create,alter,drop--

alter table consultant add mobileno int

alter table consultant drop mobileno

describe consultant

drop table consultant

create table consultant(

id int primary key,

name varchar(20) not null,

address varchar(40),

gender enum('male','female')

)

create table projects(

pid int,

cid int,

description1 varchar(20),

duration int,

foreign key(cid) references consultant(id)

)

show tables

insert consultant values(2,'Darshini','India','female')

--Not possible to leave the field (name) without values as it is mentioned as not null--

insert consultant (id,address) values(3,'India')

select \* from projects

insert projects values(1,1,'p1',20)

--LIMIT

SELECT \*

FROM tutorial.us\_housing\_units

LIMIT 15;

--WHERE

SELECT \*

FROM tutorial.us\_housing\_units

WHERE west > 50000

SELECT \*

FROM tutorial.us\_housing\_units

WHERE south <= 20

--USING ARITHMETIC OPERATORS

SELECT year,

month,

west,

south,

midwest,

northeast,

west + south + midwest +northeast AS usa\_total

FROM tutorial.us\_housing\_units

--LOGICAL OPERATORS

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE "group" LIKE 'Snoop%'

--ILIKE HELPS TO IGNORE THE CASE SENSITIVE

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE "group" ilike '%ludacris%'

--IN

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE "group" IN ('M.C. Hammer', 'Hammer', 'Elvis Presley')

--BETWEEN

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE year BETWEEN 1985 AND 1990

--IS NULL

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE song\_name IS NULL

--AND

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE year = 2012 AND year\_rank <= 10

--OR

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE year\_rank = 5 OR artist = 'Gotye'

--NOT

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE year = 2013

AND year\_rank NOT > 3

--ORDER BY

SELECT \*

FROM tutorial.billboard\_top\_100\_year\_end

WHERE year = 2013

ORDER BY year\_rank DESC