show databases;

use mysql;

show tables;

create table persons

(person\_ID int,

last\_name varchar(255),

first\_name varchar(255),

address varchar(255),

city varchar(255));

create table customers

( ID INT Not NULL,

Name Varchar(255) Not Null,

Age Int Not Null,

Address char(25),

Salary decimal(18,2),

Primary Key (ID));

desc customers;

Alter table customers

Drop primary key;

Desc customers;

Alter table customers

ADD Primary key (ID, Name);

Insert into customers (ID, Name, Age, Address, Salary)

Values (123, 'Amit', 32, 'BITS Pilani', 20000000);

desc customers;

select \* from customers;

create table book(

ISBN INT,

Title Varchar(35),

Author\_name Varchar(35),

Publisher\_name Varchar (40),

Date\_of\_Publication Date,

Price Int);

Insert into book (ISBN, Title, Author\_name, Publisher\_name, Date\_of\_Publication, Price) Values

(1, 'Software engineering','Pressman', 'TMH', makedate(2007,1), 50);

INSERT INTO book (ISBN, Title, Author\_name, Publisher\_name, Date\_of\_Publication, Price) VALUES

(2, 'DBMS', 'Korth', 'TMH', '1997-01-01', 45),

(3, 'SQL', 'Local', 'Person', '1997-01-01', 25),

(4, 'Algorithm', 'Cormen', 'Person', '2001-01-01', 75),

(5, 'Algorithm', 'Local', 'TMH', '2010-01-01', 45),

(6, 'SQL', 'James', 'TMH', '2017-01-01', 56);

-- Get the title, author name and publisher of all books published in 1997 and the price is greater than 25

select \* from book;

select Title, Author\_name, Publisher\_name

from book

where Date\_of\_Publication >='1997-01-01' and Date\_of\_Publication<='1997-12-31' and Price > 25;

-- get the title, author and publisher name of all the books. Published in year 1993,1996 and 1998

select Title, Author\_name, Publisher\_name

from book

where Year(Date\_of\_Publication) not in (1993,1996,1998);

-- Get all the details of the books whose price is in the range of 10 and 20 inclusive

select \*

from book

where price>=10 and price<=25;

select \*

from book

where price not between 10 and 25;

select Author\_name as Author, Publisher\_name as Publisher, Year(Date\_of\_Publication) as Year\_of\_Publication

from book

where year(Date\_of\_Publication) between 1993 and 2010 order by Author Desc;