Q1.

mysql> create database du\_lib;

mysql> create table LibraryBooks(

-> Accession\_Number decimal(10,5) primary key,

-> Title varchar(30) not null,

-> Author varchar(50) not null,

-> Department varchar(50) not null,

-> Purchase\_Date date not null,

-> Price decimal(7,2) not null);

mysql> Create table IssuedBooks(

-> Accession\_Number decimal(10,5) not null,

-> Borrower Varchar(30) not null

-> foreign key (Accession\_Number) references LibraryBooks(Accession\_Number));

Q (a)Primary Key- Accession\_Number in table LibraryBooks

Foreign Key- Accession\_Number in table IssuedBooks

mysql> insert into LibraryBooks values(46235.56,"fundamental of mathematical statistics","sc Gupta","Statistics",'1987-01-12',705.00);

mysql> insert into LibraryBooks values(87826.46,"database system concepts","navathe","CS",'2000/06/30',520.00);

mysql> insert into LibraryBooks values(1345.01,"discrtete maths","sc gupta","mathematics",'2003/07/31',150.00);

mysql> insert into LibraryBooks values(763647,"Programing in python","sl arora","CS",'2006/07/21',999.00);

mysql> insert into LibraryBooks values(6780.84,"environmental science","R. Kapoor","evs",'2000/09/04',250.00);

mysql> insert into IssuedBooks values( 1345.01,"kunal");

mysql> insert into IssuedBooks values( 6780.84,"gautam");

mysql> insert into IssuedBooks values( 46235.56,"rajesh");

mysql> insert into IssuedBooks values( 87826.46,"adarsh");

mysql> insert into IssuedBooks values( 763747,"ranjit");

Q(b) mysql> delete from librarybooks where title="database system concepts";

Q(c) mysql> update librarybooks set department="CS" where title="discrete maths";

Q(d) mysql> select Title from librarybooks where department="CS";

Q(e) mysql> select Title from librarybooks where department="CS" and author="navathe";

Q(f) mysql> select Title from librarybooks l, issuedbooks i where l.accession\_number=i.accession\_number and l.department="CS";

Q(g) mysql> select Title from librarybooks where price<500 and purchase\_date between '1999/01/01' and '2004/01/01';