TRISHUL M

1BM19CS173

D1

TEXTCOURSE

```
create database textcourse;
use textcourse;
create table student(
  regno varchar(15),
  name varchar(20),
  major varchar(20),
  bdate date,
  primary key (regno)
  );
desc student;
create table course(
  courseno int,
  cname varchar(20),
  dept varchar(20),
  primary key (courseno)
  );
desc course;
create table enroll(
  regno varchar(15),
  courseno int,
  sem int(3),
  marks int(4),
  primary key (regno, courseno),
  foreign key (regno) references student (regno),
  foreign key (courseno) references course (courseno)
```

```
);
desc enroll;
create table text(
   book_isbn int(5),
   book_title varchar(20),
   publisher varchar(20),
  author varchar(20),
  primary key (book_isbn)
  );
desc text;
create table book_adoption(
  courseno int,
  sem int(3),
  book_isbn int(5),
   primary key (courseno,book_isbn),
  foreign key (courseno) references course (courseno),
  foreign key (book_isbn) references text(book_isbn)
  );
desc book_adoption;
insert into student (regno,name,major,bdate) values
  ('1pe11cs002','b','sr','19930924'),
  ('1pe11cs003','c','sr','19931127'),
  ('1pe11cs004','d','sr','19930413'),
  ('1pe11cs005','e','jr','19940824');
select * from student;
   regno
              name major
                              bdate
                              1993-09-24
   1pe 11cs 002
   1pe11cs003 c
                              1993-11-27
                      Sr
   1pe11cs004
                              1993-04-13
                             1994-08-24
   1pe11cs005 e
```

select * from course;

	courseno	cname	dept
•	111	os	cse
	112	ec	cse
	113	SS	ise
	114	dbms	cse
	115	signals	ece

insert into text values (book_isbn,book_title,publisher,author),

```
(10, 'database systems', 'pearson', 'schield'),
```

select * from text;

book_isbn	book_title	publisher	author
0	NULL	NULL	NULL
10	database systems	pearson	schield
900	operating sys	pearson	leland
901	circuits	hall india	bob
902	system software	peterson	jacob
903	scheduling	pearson	patil
904	database systems	pearson	jacob
905	database manager	pearson	bob
906	signals	hall india	sumit

insert into enroll (regno,courseno,sem,marks) values

```
('1pe11cs002',114,5,100),
('1pe11cs003',113,5,100),
('1pe11cs004',111,5,100),
('1pe11cs005',112,3,100);
```

select * from enroll;

	regno	courseno	sem	marks
•	1pe11cs002	114	5	100
	1pe 11cs 003	113	5	100
	1pe11cs004	111	5	100
	1pe11cs005	112	3	100
	NULL	NULL	NULL	HULL

insert into book_adoption (courseno,sem,book_isbn) values

(111,5,900),

(111,5,903),

(111,5,904),

(112,3,901),

(113,3,10),

(114,5,905),

(113,5,902),

(115,3,906);

select * from book_adoption;

courseno	sem	book_isbn
111	5	900
111	5	903
111	5	904
112	3	901
113	3	10
113	5	902
114	5	905
115	3	906
TITLE I	P8000	CHITTON

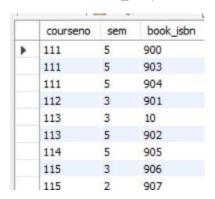
-- Query 3

insert into text values (907,'ai','hall india','sumit'); insert into book_adoption values(115, 2, 907);

select * from text;

0	HOLL	HOLL	HOLL
10	database systems	pearson	schield
900	operating sys	pearson	leland
901	circuits	hall india	bob
902	system software	peterson	jacob
903	scheduling	pearson	patil
904	database systems	pearson	jacob
905	database manager	pearson	bob
906	signals	hall india	sumit

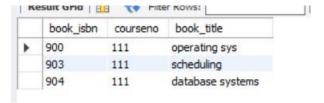
select * from book_adoption;



-- Query 4

select b.book_isbn, b.courseno, t.book_title from book_adoption b, text t where t.book_isbn = b.book_isbn and b.courseno in(

select courseno from course where dept = 'cse' and courseno in (select courseno from book_adoption group by courseno having count(*)>2));



```
-- query 5
```

```
select distinct c.dept
  from course c
  where c.dept in
  ( select c.dept
  from course c,book_adoption b,text t
  where c.courseno=b.courseno
  and t.book_isbn=b.book_isbn
  and t.publisher='hall india')
  and c.dept not in
  (select c.dept
  from course c,book_adoption b,text t
  where c.courseno=b.courseno
  and t.book_isbn=b.book_isbn
  and t.publisher != 'hall india');
       dept
      ece
```