**LAB 8 BOOK DATABASE:**

create table student8( regno varchar(30), name varchar(30), major varchar(30), bdate date,

primary key(regno));

create table course( course\_no int, cname varchar(10), dept varchar(30),

primary key(course\_no));

create table enroll( regno varchar(30), course\_no int, sem int,

marks int,

primary key(regno,course\_no),

foreign key(regno) references student8(regno) on delete cascade,

foreign key(course\_no) references course(course\_no) on delete cascade);

create table text( book\_isbn int, book\_title varchar(50), publisher varchar(50), author varchar(50),

primary key(book\_isbn));

create table book\_adoption( course\_no int,

sem int, book\_isbn int,

primary key(course\_no,book\_isbn),

foreign key(course\_no) references course(course\_no) on delete cascade, foreign key(book\_isbn) references text(book\_isbn) on delete cascade);

INSERT INTO student8 VALUES ('1bm18cs001','a','sr','09-DEC-17'); INSERT INTO student8 VALUES ('1bm18cs002','b','sr','01-JUN-17'); INSERT INTO student8 VALUES ('1bm18cs003','c','sr','27-NOV-93');

INSERT INTO student8 VALUES ('1bm18cs004','d','sr','13-APR-93'); INSERT INTO student8 VALUES ('1bm18cs005','e','jr','24-AUG-94');

INSERT INTO course VALUES (111,'OS','CSE'); INSERT INTO course VALUES (112,'EC','CSE'); INSERT INTO course VALUES (113,'SS','ISE'); INSERT INTO course VALUES (114,'DBMS','CSE'); INSERT INTO course VALUES (115,'SIGNALS','ECE');

INSERT INTO text VALUES (10,'DATABASE SYSTEMS','PEARSON','SCHIELD'); INSERT INTO text VALUES (900,'OPERATING SYS','PEARSON','LELAND'); INSERT INTO text VALUES (901,'CIRCUITS','HALL INDIA','BOB');

INSERT INTO text VALUES (902,'SYSTEM SOFTWARE','PETERSON','JACOB'); INSERT INTO text VALUES (903,'SCHEDULING','PEARSON','PATIL');

INSERT INTO text VALUES (904,'DATABASE SYSTEMS','PEARSON','JACOB'); INSERT INTO text VALUES (905,'DATABASE MANAGER','PEARSON','BOB'); INSERT INTO text VALUES (906,'SIGNALS','HALL INDIA','SUMIT');

INSERT INTO enroll VALUES ('1bm18cs001',115,3,100); INSERT INTO enroll VALUES('1bm18cs002',114,5,100); INSERT INTO enroll VALUES('1bm18cs003',113,5,100); INSERT INTO enroll VALUES('1bm18cs004',111,5,100); INSERT INTO enroll VALUES('1bm18cs005',112,3,100);

INSERT INTO book\_adoption VALUES (111,5,900); INSERT INTO book\_adoption VALUES (111,5,903); INSERT INTO book\_adoption VALUES (111,5,904); INSERT INTO book\_adoption VALUES (112,3,901); INSERT INTO book\_adoption VALUES (113,3,10); INSERT INTO book\_adoption VALUES (114,5,905); INSERT INTO book\_adoption VALUES (113,5,902); INSERT INTO book\_adoption VALUES (115,3,906);

INSERT INTO book\_adoption VALUES (112,5,906); select \* from student8;

select \* from course; select \* from text; select \* from enroll;

select \* from book\_adoption;

SELECT c.course\_no,t.book\_isbn,t.book\_title FROM course c,book\_adoption ba,text t WHERE c.course\_no=ba.course\_no

AND ba.book\_isbn=t.book\_isbn AND c.dept='CSE'

AND 2<( SELECT COUNT(book\_isbn) FROM book\_adoption b

WHERE c.course\_no=b.course\_no)

ORDER BY t.book\_title;

SELECT DISTINCT c.dept

FROM course c WHERE c.dept IN ( SELECT c.dept

FROM course c,book\_adoption b,text t WHERE c.course\_no=b.course\_no AND t.book\_isbn=b.book\_isbn

AND t.publisher='PEARSON')

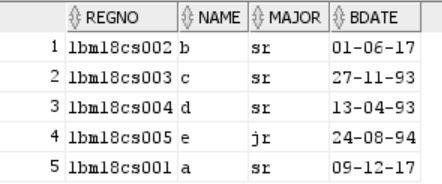
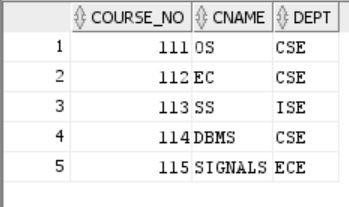
AND c.dept IN (SELECT c.dept

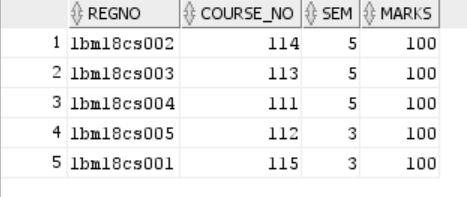
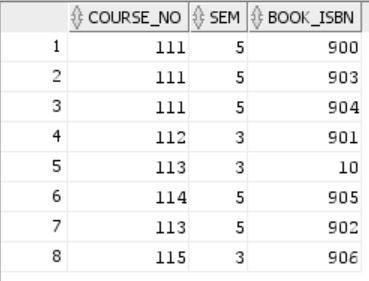
FROM course c,book\_adoption b,text t WHERE c.course\_no=b.course\_no AND t.book\_isbn=b.book\_isbn

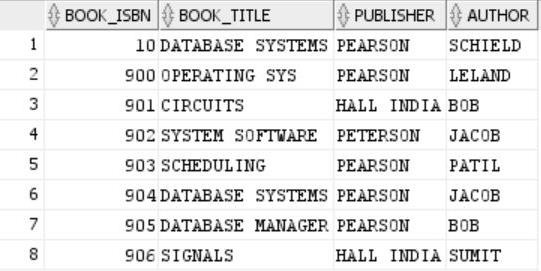
AND t.publisher != 'PEARSON');

# OUTPUT:

## TABLES:



## QUERY:

