VAIBHAVI PATIL
1BM19CS217
CSE SEC 'A'

```sql
create database studentenrollment;
use studentenrollment;

CREATE TABLE STUDENT(
reg_no VARCHAR(20),
name VARCHAR(20),
major VARCHAR(20),
bdate DATE,
PRIMARY KEY(reg_no));

CREATE TABLE COURSE(
course_no INT,
cname VARCHAR(20),
dept VARCHAR(20),
PRIMARY KEY (course_no));

CREATE TABLE ENROLL(
reg_no VARCHAR(15),
course_no INT,
sem INT,
marks INT,
PRIMARY KEY (reg_no,course_no),
FOREIGN KEY (reg_no) REFERENCES student (reg_no),
FOREIGN KEY (course_no) REFERENCES course (course_no));

CREATE TABLE TEXT(
book_isbn INT,
book_title VARCHAR(20),
publisher VARCHAR(20),
author VARCHAR(20),
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),
FOREIGN KEY (book_isbn) REFERENCES text(book_isbn));

INSERT INTO STUDENT (reg_no,name,major,bdate) VALUES ('1pe11cs001','a','sr',19931230),
("1pe11cs002","b","sr","19930924"),
("1pe11cs003","c","sr","19931127"),
("1pe11cs004","d","sr","19930413"),
("1pe11cs005","e","jr","19940824");

INSERT INTO COURSE(course_no,cname,dept) VALUES
```

```sql
("111","OS","CSE"),
("112","EC","CSE"),
("113","SS","ISE"),
("114","DBMS","CSE"),
("115","SIGNALS","ECE");

INSERT INTO TEXT(book_isbn,book_title,publisher,author) VALUES
("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 BOOK_ADOPTION(course_no,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");

INSERT INTO  ENROLL(reg_no,course_no,sem,marks) VALUES
("1pe11cs001","115","3","100"),
("1pe11cs002","114","5","100"),
("1pe11cs003","113","5","100"),
("1pe11cs004","111","5","100"),
("1pe11cs005","112","3","100");

INSERT INTO TEXT(book_isbn,book_title,publisher,author) VALUES("907","COMPUTER
NETWORKS","PEARSON","FORTAN");
INSERT INTO BOOK_ADOPTION(course_no,sem,book_isbn) VALUES("111","3","907");

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;
```

```sql
SELECT c.dept
FROM course c, book_adoption ba
WHERE c.course_no=ba.course_no
GROUP BY  c.dept
HAVING count(ba.book_isbn)=(SELECT count(ba2.book_isbn)
FROM TEXT t,book_adoption ba2,course c2
WHERE t.book_isbn=ba2.book_isbn AND c2.course_no=ba2.course_no AND
t.publisher='HALL INDIA' AND c2.dept=c.dept);
```