```sql
create database student_enrollment;
use student_enrollment;

show tables;
create table student(
regno varchar(20),
name varchar(30),
major varchar(20),
bdate date,
primary key(regno));


create table course(
course_no int,
cname varchar(30),
dept varchar(30),
primary key(course_no));
```

```
19
20
21  create table enroll(
22  regno varchar(30),
23  course_no int,
24  sem int,
25  marks int,
26  primary key (regno),
27  foreign key(regno) references student(regno) on update cascade,
28  foreign key(course_no) references course(course_no) on update cascade);
29
30
31
32  create table book_adoption(
33  course_no int,
34  sem int,
35  book_ISBN int,
36  primary key(book_ISBN),
37  foreign key(course_no) references course(course_no) on update cascade);
38
```

```
40
41
42  create table text(
43  book_ISBN int,
44  book_title varchar(30),
45  publisher varchar(30),
46  author varchar(30),
47  primary key(book_ISBN),
48  foreign key(book_ISBN) references book_adoption(book_ISBN) on update cascade);
49
50
51
52
53  insert into student values("CS01","RAM","DS","1986-03-12");
54  insert into student values("IS02","SMITH","USP","1987-12-23");
55  insert into student values("EC03","AHMED","SNS","1985-04-17");
56  insert into student values("CS03","SNEHA","DBMS","1987-01-01");
57  insert into student values("TC05","AKHILA","EC","1986-10-06");
58  commit;
59  select * from student;
```

```
58  commit;
59  select * from student;
60
61  insert into course values(11,"DS","CS");
62  insert into course values(22,"USP","IS");
63  insert into course values(33,"SNS","EC");
64  insert into course values(44,"DBMS","CS");
65  insert into course values(55,"EC","TC");
66  commit;
67  select * from course;
68
69  insert into enroll values("CS01","11",4,85);
70  insert into enroll values("IS02","22",6,80);
71  insert into enroll values("EC03","33",2,80);
72  insert into enroll values("CS03","44",6,75);
73  insert into enroll values("TC05","55",2,8);
74  commit;
75  select * from enroll;
76
77  insert into text value(1,"DS AND C ","PRINCETON","PADMA REDDY");
```

```
76
77 • insert into text value(1,"DS AND C ","PRINCETON","PADMA REDDY");
78 • insert into text value(2,"FUNDAMENTALS OF DS","PRINCETON","GODSE");
79 • insert into text value(3,"FUNDAMENTALS OF DBMS","PRINCETON","NAVATHE");
80 • insert into text value(4,"SQL","PRINCETON","FOLEY");
81 • insert into text value(5,"ELECTRONIC CIRCUITS","TMH","ELMASRI");
82 • insert into text value(6,"ADV UNIX PROG","TMH","STEVENS");
83 • commit;
84 • select * from text;
85
86
87 • insert into book_adoption values(11,4,1);
88 • insert into book_adoption values(11,4,2);
89 • insert into book_adoption values(44,6,3);
90 • insert into book_adoption values(44,6,4);
91 • insert into book_adoption values(55,2,5);
92 • insert into book_adoption values(22,6,6);
93 • insert into book_adoption values(55,2,7);
94 • commit;
95 • select * from book_adoption;
```

```
insert into book_adoption values(22,6,6);
insert into book_adoption values(55,2,7);
commit;
select * from book_adoption;



INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE");
INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8);


SELECT C.COURSE_NO,T.BOOK_ISBN,T.BOOK_TITLE FROM TEXT T,COURSE C,BOOK_ADOPTION B WHERE T.BOOK_ISBN=B.BOOK_ISBN AND
B.COURSE_NO=C.COURSE_NO AND C.DEPT="CS" AND (SELECT COUNT(B.BOOK_ISBN) FROM BOOK_ADOPTION B WHERE C.COURSE_NO=B.COURSE_NO)>=2
ORDER BY T.BOOK_TITLE;


select c.dept from course c,text t,book_adoption b where t.book_ISBN=b.book_ISBN and
b.course_no=c.course_no and t.publisher="TMH";

```

```
59 •  select * from student;
60
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

regno	name	major	bdate
CS01	RAM	DS	1986-03-12
CS03	SNEHA	DBMS	1987-01-01
EC03	AHMED	SNS	1985-04-17
IS02	SMITH	USP	1987-12-23
TC05	AKHILA	EC	1986-10-06
NULL	NULL	NULL	NULL

Result Grid | Form Editor | Field Types

student 14 ×

Apply | Revert

```
67 •  select * from course;
68
69 •  insert into enroll values("CS01","11",4,85);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

course_no	cname	dept
11	DS	CS
22	USP	IS
33	SNS	EC
44	DBMS	CS
55	EC	TC
NULL	NULL	NULL

Result Grid | Form Editor | Field Types

course 15 ×

Apply | Revert

```
75 •  select * from enroll;
76
77 •  insert into text value(1,"DS AND C ","PRINCETON","PADMA REDDY");
78 •  insert into text value(2,"FUNDAMENTALS OF DS","PRINCETON","GODSE");
79 •  insert into text value(3,"FUNDAMENTALS OF DBMS","PRINCETON","NAVATHE");
80 •  insert into text value(4,"SQL","PRINCETON","FOLEY");
81 •  insert into text value(5,"ELECTRONIC CIRCUITS","TMH","ELMASRI");
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

regno	course_no	sem	marks
CS01	11	4	85
CS03	44	6	75
EC03	33	2	80
IS02	22	6	80
TC05	55	2	8
NULL	NULL	NULL	NULL

Result Grid | Form Editor | Field Types

enroll 16 ×

Apply | Revert

```
84  select * from text;
85
86
87  insert into book_adoption values(11,4,1);
88  insert into book_adoption values(11,4,2);
89  insert into book_adoption values(44,6,3);
90  insert into book_adoption values(44,6,4);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

book_ISBN	book_title	publisher	author
1	DS AND C	PRINCETON	PADMA REDDY
2	FUNDAMENTALS OF DS	PRINCETON	GODSE
3	FUNDAMENTALS OF DBMS	PRINCETON	NAVATHE
4	SQL	PRINCETON	FOLEY
5	ELECTRONIC CIRCUITS	TMH	ELMASRI
6	ADV UNIX PROG	TMH	STEVENS
NULL	NULL	NULL	NULL

Result Grid | Form Editor | Field Types

text 17 ×

Apply | Revert

```
95 •  select * from book_adoption;
96
97
98
99
100 •  INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE");
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

course_no	sem	book_ISBN
11	4	1
11	4	2
44	6	3
44	6	4
55	2	5
22	6	6
55	2	7
11	4	8
NULL	NULL	NULL

Result Grid | Form Editor | Field Types

book_adoption 18 ×

Apply | Revert

```
100 •  INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE");
101 •  INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8);
102
103
104 •  SELECT C.COURSE_NO,T.BOOK_ISBN,T.BOOK_TITLE FROM TEXT T,COURSE C,BOOK_ADOPTION B WHERE T.BOOK_ISBN=B.BOOK_ISBN AND
105    B.COURSE_NO=C.COURSE_NO AND C.DEPT="CS" AND (SELECT COUNT(B.BOOK_ISBN) FROM BOOK_ADOPTION B WHERE C.COURSE_NO=B.COURSE_NO)>=2
106    ORDER BY T.BOOK_TITLE;
107
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

COURSE_NO	BOOK_ISBN	BOOK_TITLE
11	1	DS AND C
44	3	FUNDAMENTALS OF DBMS
11	2	FUNDAMENTALS OF DS
44	4	SQL

Result Grid
Form Editor
Field Types

Result 19 ×

Read Only

```
109 •  select c.dept from course c,text t,book_adoption b where t.book_ISBN=b.book_ISBN and
110    b.course_no=c.course_no and t.publisher="TMH";
111
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

dept
TC
IS

Result Grid | Form Editor | Field Types

Result 20 ×

Read Only