

```
1 • create database student_enrol;  
2 use student_enrol;  
3 create table student(regno varchar(20),name VARCHAR(50),major varchar(20),bdate date,primary key (regno));  
4 create table course(courseno int,cname varchar(20),dept VARCHAR(20),primary key(courseno));  
5 • create table enroll(regno varchar(20),courseno int,sem int,marks int,primary key(regno,courseno),foreign key(regno) references student(regno),  
6 foreign key(courseno) references course(courseno));  
7 • create table text(book_isbn int,book_title varchar(50),publisher varchar(50),author varchar(50),primary key(book_isbn));  
8 • create table book_adoption(courseno int,sem int,book_isbn int,primary key(courseno,book_isbn),foreign key(courseno) references course(courseno),  
9 foreign key(book_isbn) references text(book_isbn));  
10 • insert into student values('CS01','RAM','DS','1986-03-12');  
11 • insert into student values('IS02','SMITH','USP','1987-12-23');  
12 insert into student values('EC03','AHMED','SNS','1985-04-17');  
13 insert into student values('CS03','SNEHA','DBMS','1987-01-01');  
14 insert into student values('TC05','AKHILA','EC','1986-10-06');  
15 commit;  
16 select*from student;  
17 insert into course values('11','DS','CS');  
18 insert into course values('22','USP','IS');  
19 insert into course values('33','SNS','EC');  
20 insert into course values('44','DBMS','CS');  
21 insert into course values('55','EC','TC');  
22 commit;  
23 select*from course;  
24 insert into enroll values('CS01','11','4','85');
```

MySQL Workbench

dbms server

File Edit View Query Database Server Tools Scripting Help

SQL File 5* SQL File 4* lab 5 dbms*

Limit to 1000 rows

```
22 commit;
23 select*from course;
24 insert into enroll values('CS01','11','4','85');
25 insert into enroll values('IS02','22','6','80');
26 insert into enroll values('EC03','33','2','80');
27 insert into enroll values('CS03','44','6','75');
28 insert into enroll values('TC05','55','2','56');
29 commit;
30 select*from enroll;
31 insert into text values('1','DS AND C REDDY','PRINCETON','PADMA');
32 insert into text values('2','FUNDAMENTALS OF DS','PRINCETON','GODSE');
33 insert into text values('3','FUNDAMENTALS OF DBMS','PRINCETON','NAVATHE');
34 insert into text values('4','SQL','PRINCETON','FOLEY');
35 insert into text values('5','ELECTRONICS CIRCUITS','TMH','ELMASRI');
36 insert into text values('6','ADV UNIX PROG','TMH','STEVENS');
37 commit;
38 select*from text;
39 insert into book_adoption values('11','4','1');
40 insert into book_adoption values('11','4','2');
41 insert into book_adoption values('44','6','3');
42 • insert into book_adoption values('44','6','4');
43 insert into book_adoption values('55','2','5');
44 insert into book_adoption values('22','6','6');
45 commit;
```

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MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

SQL File 5* SQL File 4* lab 5 dbms* x

Limit to 1000 rows

```
38 select*from text;
39 insert into book_adoption values('11','4','1');
40 insert into book_adoption values('11','4','2');
41 insert into book_adoption values('44','6','3');
42 • insert into book_adoption values('44','6','4');
43 insert into book_adoption values('55','2','5');
44 insert into book_adoption values('22','6','6');
45 commit;
46 select*from book_adoption;
47
48 /*query(1)*/
49 • insert into text values('7','C PROGRAMMING','TMH','THAREJA');
50 • insert into book_adoption values('55','2','7');
51 • insert into Book_Adoption VALUES(11,4,3);
52
53 /*query(2)*/
54 • select c.courseno,t.book_isbn,t.book_title from course c,book_adoption ba,text t where c.courseno=ba.courseno and ba.book_isbn=t.book_isbn and c.dept='CS'
55 and 2<(select count(book_isbn) from book_adoption b where c.courseno=b.courseno) order by t.book_title;
56
57 /*query(3)*/
58 • 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
59 and t.book_isbn=b.book_isbn and t.publisher='PRINCETON')
60 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 !='PRINCETON');
```

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MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

SQL File 5* SQL File 4* lab 5 dbms* x

Limit to 1000 rows

```
38 select*from text;
39 insert into book_adoption values('11','4','1');
40 insert into book_adoption values('11','4','2');
41 insert into book_adoption values('44','6','3');
42 • insert into book_adoption values('44','6','4');
43 insert into book_adoption values('55','2','5');
44 insert into book_adoption values('22','6','6');
45 commit;
46 select*from book_adoption;
47
48 /*query(1)*/
49 • insert into text values('7','C PROGRAMMING','TMH','THAREJA');
50 • insert into book_adoption values('55','2','7');
51 • insert into Book Adoption VALUES(11,4,3);
```

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

	book_isbn	book_title	publisher	author
1		DS AND C REDDY	PRINCETON	PADMA
2		FUNDAMENTALS OF DS	PRINCETON	GODSE
3		FUNDAMENTALS OF DBMS	PRINCETON	NAVATHE
4		SQL	PRINCETON	FOLEY
5		ELECTRONICS CIRCUITS	TMH	ELMASRI
6		ADV UNIX PROG	TMH	STEVENS
7		C PROGRAMMING	TMH	THAREJA
*	NULL	NULL	NULL	NULL

text 41 x

Apply Revert

MySQL Workbench

dbms server

File Edit View Query Database Server Tools Scripting Help

SQL File 5* SQL File 4* lab 5 dbms*

Limit to 1000 rows

```
42 • insert into book_adoption values('44','6','4');
43 insert into book_adoption values('55','2','5');
44 insert into book_adoption values('22','6','6');
45 commit;
46 select*from book_adoption;
47
48 /*query(1)*/
49 • insert into text values('7','C PROGRAMMING','TMH','THAREJA');
50 • insert into book_adoption values('55','2','7');
51 • insert into Book_Adoption VALUES(11,4,3);
52
53 /*query(2)*/
54 • select c.courseno,t.book_isbn,t.book_title from course c,book_adoption ba,text t where c.courseno=ba.courseno and ba.book_isbn=t.book_isbn and c.dept='CS'
55 and 2<(select count(book isbn) from book adoption b where c.courseno=b.courseno) order by t.book title;
```

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

	courseno	book_isbn	book_title
▶	11	1	DS AND C REDDY
	11	3	FUNDAMENTALS OF DBMS
	11	2	FUNDAMENTALS OF DS

Result 42 x Read Only

MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

SQL File 5* SQL File 4* lab 5 dbms* x

Limit to 1000 rows

```
46 select*from book_adoption;
47
48 /*query(1)*/
49 • insert into text values('7','C PROGRAMMING','TMH','THAREJA');
50 • insert into book_adoption values('55','2','7');
51 • insert into Book_Adoption VALUES(11,4,3);
52
53 /*query(2)*/
54 • select c.courseno,t.book_isbn,t.book_title from course c,book_adoption ba,text t where c.courseno=ba.courseno and ba.book_isbn=t.book_isbn and c.dept='CS'
55 and 2<(select count(book_isbn) from book_adoption b where c.courseno=b.courseno) order by t.book_title;
56
57 /*query(3)*/
58 • 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
59 and t.book isbn=b.book isbn and t.publisher='PRINCETON')
```

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

dept
CS

course 43 x Read Only