

DBMS LAB

Mallika Prasad

1BM19CS081

LAB PROG 5

OUTPUT

Value Insertion

```
1 • use mallika;
2
3 • create table STUDENT(regno varchar(30),name varchar(30),major varchar(30),bdate date, primary key(regno));
4 • create table COURSE(courseno int,cname varchar(30),dept varchar(30), primary key(courseno));
5 • create table ENROLL(regno varchar(30),courseno int, marks int,sem int, foreign key(regno) references STUDENT(regno) c
6 • create table BOOK_ADOPTION(courseno int,sem int, bookisbn int, foreign key(courseno) references COURSE(courseno) on c
7 • create table TEXTS(bookisbn int,booktitle varchar(30),publisher varchar(30),author varchar(30), primary key(bookisbn)
8
9 • insert into STUDENT values('CS01','RAM','DS','1986-03-12');
10 • insert into STUDENT values('IS02','SMITH','USP','1987-12-23');
11 • insert into STUDENT values('EC03','AHMED','SNS','1985-04-17');
12 • insert into STUDENT values('CS03','SNEHA','DBMS','1987-01-01');
13 • insert into STUDENT values('TC05','AKHILA','EC','1986-10-06');
14
15 • insert into COURSE values(11,'DS','CS');
16 • insert into COURSE values(22,'USP','IS');
17 • insert into COURSE values(33,'SNS','EC');
18 • insert into COURSE values(44,'DBMS','CS');
19 • insert into COURSE values(55,'EC','TC');
20
21 • insert into ENROLL values('CS01',11,4,85);
22 • insert into ENROLL values('IS02',22,6,80);
23 • insert into ENROLL values('EC03',33,2,80);
24 • insert into ENROLL values('CS03',44,6,75);
25 • insert into ENROLL values('TC05',55,2,8);
```

```
19 • insert into COURSE values(55,'EC','TC');
20
21 • insert into ENROLL values('CS01',11,4,85);
22 • insert into ENROLL values('IS02',22,6,80);
23 • insert into ENROLL values('EC03',33,2,80);
24 • insert into ENROLL values('CS03',44,6,75);
25 • insert into ENROLL values('TC05',55,2,8);
26
27 • insert into TEXTS values(1,'DS AND C','PRINCETON','PADMA REDDY');
28 • insert into TEXTS values(2,'FUNDAMENTALS OF DS','PRINCETON','GOOSE');
29 • insert into TEXTS values(3,'FUNDAMENTALS OF DBMS','PRINCETON','NAVATHE');
30 • insert into TEXTS values(4,'SQL','PRINCETON','FOLEY');
31 • insert into TEXTS values(5,'ELECTRONIC CIRCUITS','TMH','ELMASRI');
32 • insert into TEXTS values(6,'ADV UNIX PROG','TMH','STEVENS');
33
34 • insert into BOOK_ADOPTION values(11,4,1);
35 • insert into BOOK_ADOPTION values(11,4,2);
36 • insert into BOOK_ADOPTION values(44,6,3);
37 • insert into BOOK_ADOPTION values(44,6,4);
38 • insert into BOOK_ADOPTION values(55,2,5);
39 • insert into BOOK_ADOPTION values(22,6,6);
40
```

insert into TEXTS values(7,'GET STARTED WITH C','PRINCETON','THOMSON');

insert into BOOK_ADOPTION values(55,4,7);

select * from TEXTS;

select * from BOOK_ADOPTION;

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

malika

Tables

- accident
- author
- car
- catalog
- category
- customer
- item
- orderdetails
- orderitem
- orders
- owns

Administration Schemas

Schema: malika

bankdetails SQL File 2

Limit to 1000 rows

```
40
41 • insert into TEXTS values(7,'GET STARTED WITH C','PRINCETON','THOMSON');
42 • insert into BOOK_ADOPTION values(55,4,7);
43 • select * from TEXTS;
44 • select * from BOOK_ADOPTION;
45
46 • select c.courseno,b.bookisbn,t.booktitle from BOOK_ADOPTION b,TEXTS t,COURSE c
```

Result Grid

	bookisbn	booktitle	publisher	author
4		SQL	PRINCETON	FOLEY
5		ELECTRONIC CIRCUITS	TMH	ELMASRI
6		ADV UNIX PROG	TMH	STEVENS
7		GET STARTED WITH C	PRINCETON	THOMSON
*	NULL	NULL	NULL	NULL

TEXTS 13

MySQL Workbench

Local instance MySQL80

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SCHEMAS

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bankdetails SQL File 2

Limit to 1000 rows

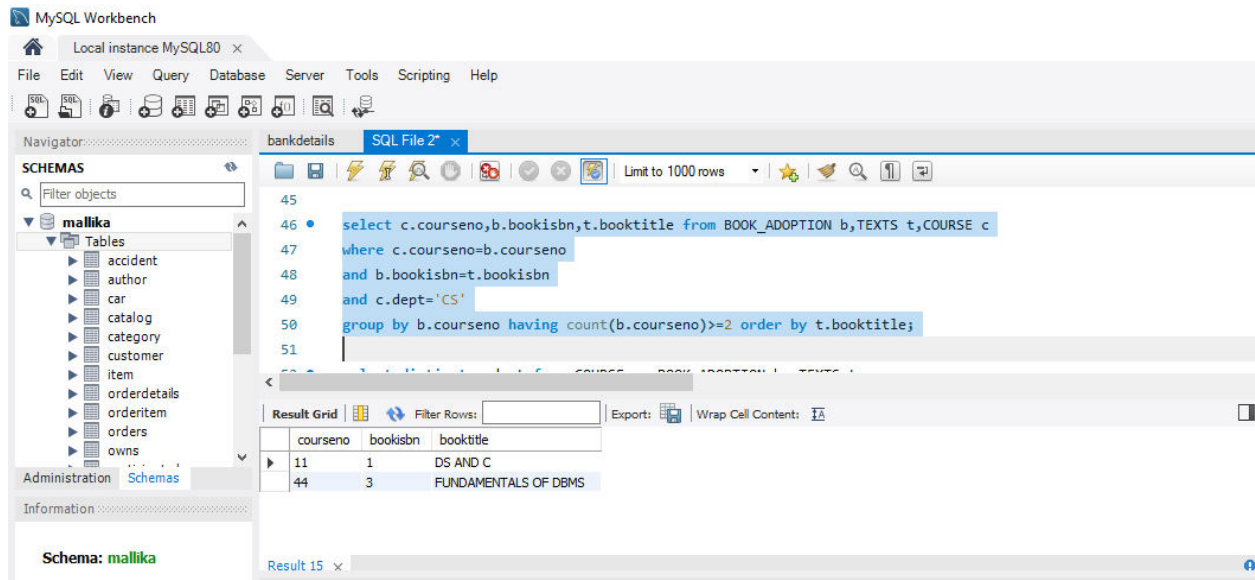
```
40
41 • insert into TEXTS values(7,'GET STARTED WITH C','PRINCETON','THOMSON');
42 • insert into BOOK_ADOPTION values(55,4,7);
43 • select * from TEXTS;
44 • select * from BOOK_ADOPTION;
45
46 • select c.courseno,b.bookisbn,t.booktitle from BOOK_ADOPTION b,TEXTS t,COURSE c
```

Result Grid

	courseno	sem	bookisbn
44	6	3	
44	6	4	
55	2	5	
22	6	6	
55	4	7	

BOOK_ADOPTION 14

select c.courseno,b.bookisbn,t.booktitle from BOOK_ADOPTION b,TEXTS t,COURSE c where c.courseno=b.courseno and b.bookisbn=t.bookisbn and c.dept='CS' group by b.courseno having count(b.courseno)>=2 order by t.booktitle;

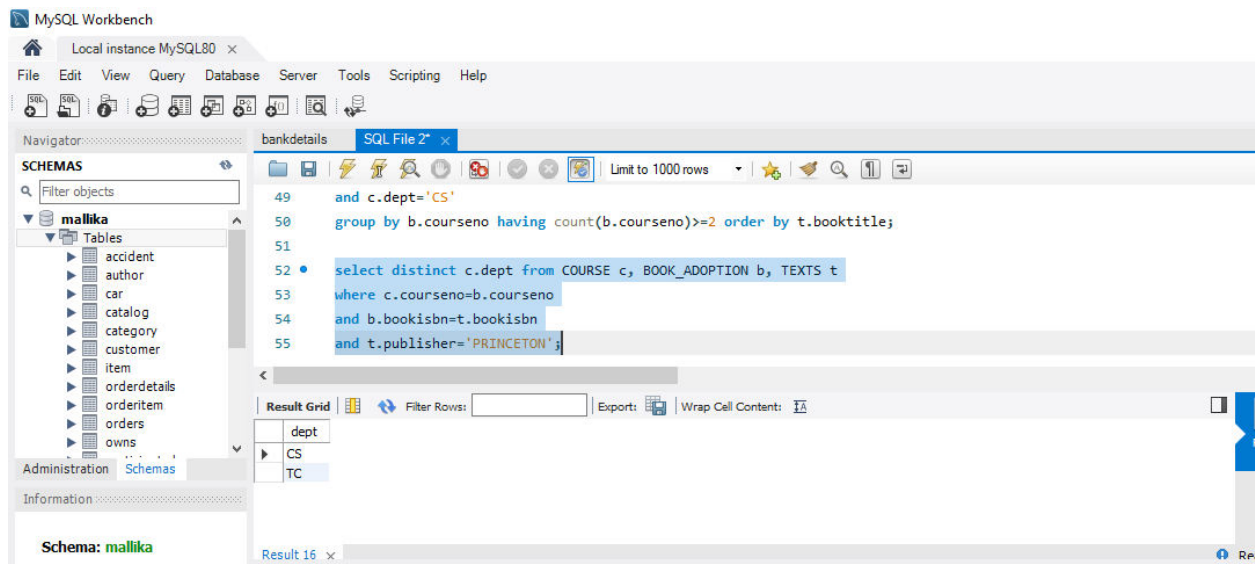


The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' panel with a tree view of the 'mallika' database, including tables like 'accident', 'author', 'car', 'catalog', 'category', 'customer', 'item', 'orderdetails', 'orderitem', 'orders', and 'owns'. The main editor window shows a SQL query in 'SQL File 2*' with line numbers 45 to 51. The query is:
 45
 46 • **select c.courseno,b.bookisbn,t.booktitle from BOOK_ADOPTION b,TEXTS t,COURSE c**
 47 **where c.courseno=b.courseno**
 48 **and b.bookisbn=t.bookisbn**
 49 **and c.dept='CS'**
 50 **group by b.courseno having count(b.courseno)>=2 order by t.booktitle;**
 51
 Below the query, the 'Result Grid' shows two rows of data:

courseno	bookisbn	booktitle
11	1	DS AND C
44	3	FUNDAMENTALS OF DBMS

 The status bar at the bottom indicates 'Result 15'.

select distinct c.dept from COURSE c, BOOK_ADOPTION b, TEXTS t where c.courseno=b.courseno and b.bookisbn=t.bookisbn and t.publisher='PRINCETON';



The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' panel with a tree view of the 'mallika' database, including tables like 'accident', 'author', 'car', 'catalog', 'category', 'customer', 'item', 'orderdetails', 'orderitem', 'orders', and 'owns'. The main editor window shows a SQL query in 'SQL File 2*' with line numbers 49 to 55. The query is:
 49 **and c.dept='CS'**
 50 **group by b.courseno having count(b.courseno)>=2 order by t.booktitle;**
 51
 52 • **select distinct c.dept from COURSE c, BOOK_ADOPTION b, TEXTS t**
 53 **where c.courseno=b.courseno**
 54 **and b.bookisbn=t.bookisbn**
 55 **and t.publisher='PRINCETON';**
 Below the query, the 'Result Grid' shows two rows of data:

dept
CS
TC

 The status bar at the bottom indicates 'Result 16'.