STUDENT ENROLLMENT DATABASE

OUTPUT:-

Show tables :-

```
6 •    create table student(regno varchar(10), name varchar(30), major varchar(30), bdate date, primary key(regno));
7      create table course(course_no int, cname varchar(30), dept varchar(30), primary key(course_no));
8 ⊝   create table enroll(regno varchar(10), course_no int, marks int, sem int, primary key(regno, course_no), foreign key(regno) references student(regno) on delete cascade,
9      foreign key(course_no) references course(course_no) on delete cascade);
10     create table txt(bookisbn int, book_title varchar(30), publisher varchar(30), author varchar(30), primary key(bookisbn));
11 ⊝  create table book_adoption(course_no int, sem int, bookisbn int, primary key(course_no, bookisbn), foreign key(course_no) references course(course_no) on delete cascade,
12     foreign key(bookisbn) references txt(bookisbn) on delete cascade);
13
14 •    show tables;
```

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

Tables_in_stuenrollement
book_adoption
course
enroll
student
txt

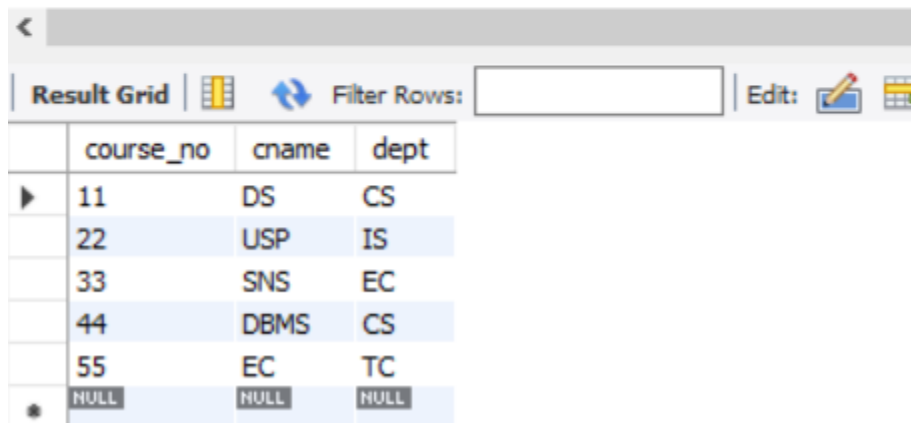Select * from student

```
19 •       insert into student values("CS01", "RAM", "DS", "1986-03-12");
20 •       insert into student values("IS02", "SMITH", "USP", "1987-12-23");
21 •       insert into student values("EC03", "AHMED", "SNS", "1985-04-17");
22         insert into student values("CS03", "SNEHA", "DBMS", "1987-01-01");
23         insert into student values("TC05", "AKHILA", "EC", "1986-10-06");
24
25         select * from student;
```

Result Grid | | Filter Rows: | Edit: | Export/Import:

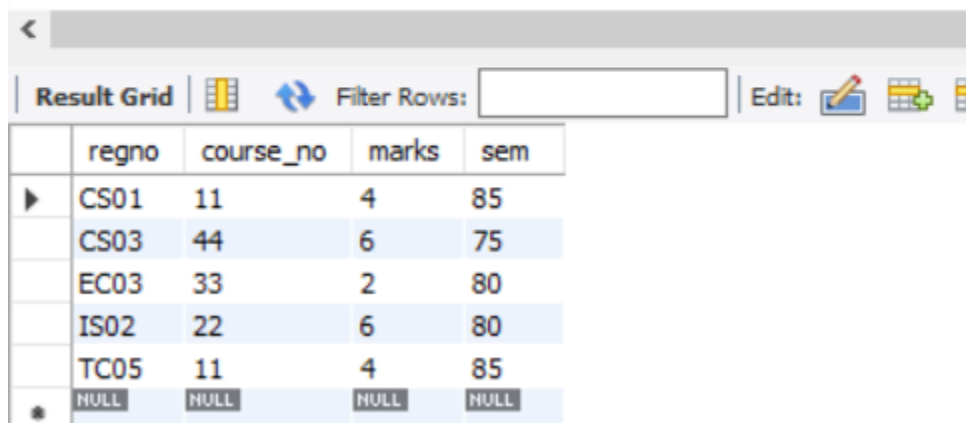| regno	name	major	bdate
CS01	RAM	DS	1986-03-12
CS03	SNEHA	DBMS	1987-01-01
EC03	AHMED	SNS	1985-04-17
IS02	SMITH	USP	1987-12-23
TC05	AKHILA	EC	1986-10-06
NULL	NULL	NULL	NULL

Select * from course

```
27 •      insert into course values(11,"DS","CS");
28        insert into course values(22,"USP","IS");
29 •      insert into course values(33,"SNS","EC");
30        insert into course values(44,"DBMS","CS");
31        insert into course values(55,"EC","TC");
32
33        select * from course;
```

Result Grid | Filter Rows: | Edit:

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

Select * from enroll

```
35        insert into enroll values("CS01", 11, 4, 85);
36 •      insert into enroll values("IS02", 22, 6, 80);
37        insert into enroll values("EC03", 33, 2, 80);
38 •      insert into enroll values("CS03", 44, 6, 75);
39        insert into enroll values("TC05", 11, 4, 85);
40
41        select * from enroll;
```

Result Grid | Filter Rows: | Edit:

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

Select * from txt

```
43      insert into txt values(1, "DS AND C", "PRINCETON","PADMA REDDY");
44      insert into txt values(2, "FUNDAMENTALS OF DS", "PRINCETON", "GODSE");
45 •    insert into txt values(3, "FUNDAMENTALS OF DBMS", "PRINCETON", "NAVATHE");
46      insert into txt values(4, "SQL", "PRINCETON", "FOLEY");
47 •    insert into txt values(5, "ELECTRONIC CIRCUITS", "TMH", "ELMASRI");
48      insert into txt values(6, "ADV UNIX PROG", "TMH", "STEVENS");
49
50      select * from txt;
```

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

	bookisbn	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

Select * from book_adoption

```
52        insert into book_adoption values(11, 4 ,1);
53 ●      insert into book_adoption values(11, 4 ,2);
54        insert into book_adoption values(44, 6 ,3);
55 ●      insert into book_adoption values(44, 6 ,4);
56        insert into book_adoption values(55, 2 ,5);
57        insert into book_adoption values(22, 6 ,6);
58
59        select * from book_adoption;
```

Result Grid | Filter Rows: | Edit:

course_no	sem	bookisbn
11	4	1
11	4	2
22	6	6
44	6	3
44	6	4
55	2	5
NULL	NULL	NULL

Query 1:-

bookisbn	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
7	TREES	PRINCETON	SADGE
NULL	NULL	NULL	NULL

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

Query 2:-

```
68        from course c,book_adoption ba,txt t
69        where c.course_no=ba.course_no
70        and ba.bookisbn=t.bookisbn
71        and c.dept='CS'
72        and 2<(
73        select COUNT(bookisbn)
74        from book_adoption b
75        where c.course_no=b.course_no)
76        order by t.book_title;
```

course_no	bookisbn	book_title
11	1	DS AND C
11	2	FUNDAMENTALS OF DS
11	7	TREES

Query 3:-

```sql
80  •     select distinct c.dept
81            from course c
82            where c.dept in
83        ⊖     ( select c.dept
84            FROM course c,book_adoption b,txt t
85            where c.course_no=b.course_no
86            and t.bookisbn=b.bookisbn
87            and t.publisher='PRINCETON')
```

Result Grid | Filter Rows: | Export: |

dept
▶ CS