```sql
18 •    insert into STUDENT values('CS01', 'Ram', 'DS', '1986-03-12' );
19 •    insert into STUDENT values('IS02', 'Smith', 'USP', '1987-12-23' );
20 •    insert into STUDENT values('EC03', 'Ahmed', 'SNS', '1985-04-17' );
21 •    insert into STUDENT values('CS03', 'Sneha', 'DBMS', '1987-01-01' );
22 •    insert into STUDENT values('TC05', 'Akhila', 'EC', '1986-10-06' );
23 •    select * from STUDENT;
24

25 •    insert into COURSE values(11, 'DS', 'CS');
26 •    insert into COURSE values(22, 'USP', 'IS');
27 •    insert into COURSE values(33, 'SNS', 'EC');
28 •    insert into COURSE values(44, 'DBMS', 'CS');
29 •    insert into COURSE values(55, 'EC', 'TC');
30 •    select * from COURSE;
31

32 •    insert into ENROLL values('CS01', 11, 4, 85);
33 •    insert into ENROLL values('IS02', 22, 6, 80);
```

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

Reg_Number	Sname	Major	Birth_Date
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

STUDENT 8 ✕   Apply

```sql
25 ●     insert into COURSE values(11, 'DS', 'CS');
26 ●     insert into COURSE values(22, 'USP', 'IS');
27 ●     insert into COURSE values(33, 'SNS', 'EC');
28 ●     insert into COURSE values(44, 'DBMS', 'CS');
29 ●     insert into COURSE values(55, 'EC', 'TC');
30 ●     select * from COURSE;
31
32 ●     insert into ENROLL values('CS01', 11, 4, 85);
33 ●     insert into ENROLL values('IS02', 22, 6, 80);
```

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

Course_Number	Course_Name	Department
11	DS	CS
22	USP	IS
33	SNS	EC
44	DBMS	CS
55	EC	TC
NULL	NULL	NULL

COURSE 9 ×   Apply

```sql
31
32 •    insert into ENROLL values('CS01', 11, 4, 85);
33 •    insert into ENROLL values('IS02', 22, 6, 80);
34 •    insert into ENROLL values('EC03', 33, 2, 80);
35 •    insert into ENROLL values('CS03', 44, 6, 75);
36 •    insert into ENROLL values('TC05', 55, 2, 8);
37 •    select * from ENROLL;
38
39 •    insert into BTEXT values(1, 'DS and C', 'Princeton', 'Padma Reddy');
40 •    insert into BTEXT values(2, 'Fundamentals of DS', 'Princeton', 'Godse');
41 •    insert into BTEXT values(3, 'Fundamentals of DBMS', 'Princeton', 'Navathe');
42 •    insert into BTEXT values(4, 'SQL', 'Princeton', 'Foley');
43 •    insert into BTEXT values(5, 'Electronics Circuits', 'TMH', 'Elmasri');
44 •    insert into BTEXT values(6, 'Adv Unix Prog', 'TMH', 'Stevens');
45 •    select * from BTEXT;
```

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

Reg_Number	Course_Number	Sem	Marks
CS01	11	4	85
IS02	22	6	80
EC03	33	2	80
CS03	44	6	75
TC05	55	2	8

ENROLL 10 ✕

```sql
39 ● insert into BTEXT values(1, 'DS and C', 'Princeton', 'Padma Reddy');
40 ● insert into BTEXT values(2, 'Fundamentals of DS', 'Princeton', 'Godse');
41 ● insert into BTEXT values(3, 'Fundamentals of DBMS', 'Princeton', 'Navathe');
42 ● insert into BTEXT values(4, 'SQL', 'Princeton', 'Foley');
43 ● insert into BTEXT values(5, 'Electronics Circuits', 'TMH', 'Elmasri');
44 ● insert into BTEXT values(6, 'Adv Unix Prog', 'TMH', 'Stevens');
45 ● select * from BTEXT;
46
47 ● insert into BOOK_ADOPTION values(11, 4, 1);
48 ● insert into BOOK_ADOPTION values(11, 4, 2);
49 ● insert into BOOK_ADOPTION values(44, 6, 3);
50 ● insert into BOOK_ADOPTION values(44, 6, 4);
51 ● insert into BOOK_ADOPTION values(55, 2, 5);
52 ● insert into BOOK_ADOPTION values(22, 6, 6);
53 ● insert into BOOK_ADOPTION values(55, 2, 1);
54 ● select * from BOOK_ADOPTION;
55
```

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

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	Electronics Circuits	TMH	Elmasri
6	Adv Unix Prog	TMH	Stevens
7	Operating Systems	TMH	Abcd

```sql
47 ●    insert into BOOK_ADOPTION values(11, 4, 1);
48 ●    insert into BOOK_ADOPTION values(11, 4, 2);
49 ●    insert into BOOK_ADOPTION values(44, 6, 3);
50 ●    insert into BOOK_ADOPTION values(44, 6, 4);
51 ●    insert into BOOK_ADOPTION values(55, 2, 5);
52 ●    insert into BOOK_ADOPTION values(22, 6, 6);
53 ●    insert into BOOK_ADOPTION values(55, 2, 1);
54 ●    select * from BOOK_ADOPTION;
55
56 ●    insert into BTEXT values(7,'Operating Systems', 'TMH', 'Abcd');
57 ●    insert into BOOK_ADOPTION values(55, 4, 7);
58
59 ●    select C.Course_Number,T.Book_ISBN,T.Book_Title from COURSE C, BTEXT T, BOOK_ADOPTION B where
60      B.Course_Number=C.Course_Number and B.Book_ISBN=T.Book_ISBN and C.Department='CS' and
61       (select count(B.Book_ISBN) from BOOK_ADOPTION B where C.Course_Number=B.Course_Number)>=2
62       order by T.Book_Title;
63
64 ●    select distinct C.Department from COURSE C where C.Department in
```

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

Course_Number	Sem	Book_ISBN
11	4	1
11	4	2
44	6	3
44	6	4
55	2	5
22	6	6
55	2	1

```sql
58
59 •   select C.Course_Number,T.Book_ISBN,T.Book_Title from COURSE C, BTEXT T, BOOK_ADOPTION B where
60      B.Course_Number=C.Course_Number and B.Book_ISBN=T.Book_ISBN and C.Department='CS' and
61       (select count(B.Book_ISBN) from BOOK_ADOPTION B where C.Course_Number=B.Course_Number)>=2
62       order by T.Book_Title;
63
64 •   select distinct C.Department from COURSE C where C.Department in
65     (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where C.Course_Number=B.Course_Number
66      and T.Book_ISBN=B.Book_ISBN and T.Publisher='Princeton') and C.Department not in
67     (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where B.Course_Number=C.Course_Number
68      and T.Book_ISBN=B.Book_ISBN and T.Publisher='!Princeton');
69
```

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

Course_Number	Book_ISBN	Book_Title
11	1	DS and C
44	3	Fundamentals of DBMS
11	2	Fundamentals of DS
44	4	SQL

```sql
63
64 ● select distinct C.Department from COURSE C where C.Department in
65   (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where C.Course_Number=B.Course_Number
66   and T.Book_ISBN=B.Book_ISBN and T.Publisher='Princeton') and C.Department not in
67   (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where B.Course_Number=C.Course_Number
68   and T.Book_ISBN=B.Book_ISBN and T.Publisher='!Princeton');
69
```

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

Department
CS
TC