```
insert into STUDENT values('TC05', 'Akhila', 'EC', '1986-10-06');
 22 •
 23 •
         select * from STUDENT:
 24
         insert into COURSE values(11, 'DS', 'CS');
 25 •
         insert into COURSE values(22, 'USP', 'IS');
 26 •
 27 •
         insert into COURSE values(33, 'SNS', 'EC');
         insert into COURSE values(44, 'DBMS', 'CS');
 28 •
 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);
<
                                          Edit: Krap Cell Content: IA
 Result Grid
              Filter Rows:
    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
```

Apply

insert into STUDENT values('CS01', 'Ram', 'DS', '1986-03-12');

insert into STUDENT values('IS02', 'Smith', 'USP', '1987-12-23');

insert into STUDENT values('EC03', 'Ahmed', 'SNS', '1985-04-17');

insert into STUDENT values('CS03', 'Sneha', 'DBMS', '1987-01-01');

18 •

19 •

20 •

21 •

NULL

NULL

STUDENT 8 ×

NULL

NULL

```
insert into COURSE values(22, 'USP', 'IS');
 26 •
 27 •
         insert into COURSE values(33, 'SNS', 'EC');
 28 •
         insert into COURSE values(44, 'DBMS', 'CS');
         insert into COURSE values(55, 'EC', 'TC');
 29 •
 30 •
         select * from COURSE;
 31
 32 •
         insert into ENROLL values('CS01', 11, 4, 85);
         insert into ENROLL values('IS02', 22, 6, 80);
 33 •
<
                                         Edit: Krap Cell Content: TA
Result Grid Filter Rows:
   Course Number Course Name
                             Department
   11
                DS
                            CS
                USP
                            IS
                            EC
   33
                SNS
   44
                DBMS
                            CS
   55
                EC
                            TC
  NULL
                NULL
                            NULL
COURSE 9 X
```

insert into COURSE values(11, 'DS', 'CS');

25 •

```
insert into ENROLL values('EC03', 33, 2, 80);
 34 •
 35 •
        insert into ENROLL values ('CS03', 44, 6, 75);
         insert into ENROLL values('TC05', 55, 2, 8);
 36 •
         select * from ENROLL;
 37 •
 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, 'SOL', '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: TA
   Reg Number
              Course Number
                            Sem
                                  Marks
  CS01
                                  85
              11
                            4
                            6
                                  80
  IS02
              22
  EC03
              33
                                  80
                            6
                                 75
  CS03
              44
              55
  TC05
                                  8
```

Rea

32 •

33 •

ENROLL 10 x

insert into ENROLL values('CS01', 11, 4, 85);

insert into ENROLL values('ISO2', 22, 6, 80);

```
insert into BTEXT values(1, 'DS and C', 'Princeton', 'Padma Reddy');
 39 •
 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');
         insert into BTEXT values(5, 'Electronics Circuits', 'TMH', 'Elmasri');
 43 •
 44 .
         insert into BTEXT values(6, 'Adv Unix Prog', 'TMH', 'Stevens');
         select * from BTEXT;
 45 •
 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: Krap Cell Content: IA
   Book ISBN
             Book Title
                                Publisher
                                          Author
                                                                                                                                 Result
            DS and C
                                Princeton
                                         Padma Reddy
                                                                                                                                 Grid
            Fundamentals of DS
                                Princeton
                                         Godse
  3
            Fundamentals of DBMS
                                         Navathe
                               Princeton
                                         Foley
            SQL
                                Princeton
                                                                                                                                 Form
  5
            Electronics Circuits
                                TMH
                                         Elmasri
                                                                                                                                Editor
  6
             Adv Unix Prog
                                TMH
                                         Stevens
                                                                                                                                 V
```

∆hcd.

TMH

7

Operation Systems

```
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);
        insert into BOOK ADOPTION values(55, 2, 1);
 53 •
        select * from BOOK ADOPTION;
 54 •
 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
        B.Course Number=C.Course Number and B.Book ISBN=T.Book ISBN and C.Department='CS' and
 60
 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
Export: Wrap Cell Content: TA
   Course_Number
                      Book_ISBN
                Sem
  11
                4
                      1
                     2
  11
                4
  44
                6
                     3
                     4
  44
  55
                     5
                2
                     6
  22
  55
                2
```

47 •

insert into BOOK ADOPTION values(11, 4, 1);

```
59 •
        select C.Course Number, T.Book ISBN, T.Book Title from COURSE C, BTEXT T, BOOK ADOPTION B where
        B.Course Number=C.Course Number and B.Book ISBN=T.Book ISBN and C.Department='CS' and
60
         (select count(B.Book ISBN) from BOOK ADOPTION B where C.Course Number=B.Course Number)>=2
61
62
         order by T.Book Title;
63
64 •
         select distinct C.Department from COURSE C where C.Department in
         (select C.Department from COURSE C, BOOK ADOPTION B, BTEXT T where C.Course Number=B.Course Number
65
         and T.Book_ISBN=B.Book_ISBN and T.Publisher='Princeton') and C.Department not in
66
         (select C.Department from COURSE C, BOOK ADOPTION B, BTEXT T where B.Course Number=C.Course Number
67
68
         and T.Book ISBN=B.Book ISBN and T.Publisher='!Princeton');
69
Export: Wrap Cell Content: IA
   Course_Number
                Book_ISBN
                          Book_Title
                         DS and C
  11
  44
                         Fundamentals of DBMS
                         Fundamentals of DS
  11
  44
                4
                         SQL
```

20

select distinct C.Department from COURSE C where C.Department in (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where C.Course_Number=B.Course_Number and T.Book_ISBN=B.Book_ISBN and T.Publisher='Princeton') and C.Department not in (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where B.Course_Number=C.Course_Number and T.Book_ISBN=B.Book_ISBN and T.Publisher='!Princeton'); Result Grid Pepartment CS TC	63							
and T.Book_ISBN=B.Book_ISBN and T.Publisher='Princeton') and C.Department not in (select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where B.Course_Number=C.Course_Number and T.Book_ISBN=B.Book_ISBN and T.Publisher='!Princeton'); Result Grid	64	•	select distinct	Department from	COURSE C where C.I	Department in		
(select C.Department from COURSE C, BOOK_ADOPTION B, BTEXT T where B.Course_Number=C.Course_Number and T.Book_ISBN=B.Book_ISBN and T.Publisher='!Princeton'); Result Grid	65	9	(select C.Depart	ent from COURSE	C, BOOK_ADOPTION B	, BTEXT T when	e C.Course_Number=B.Course_Nu	umber
and T.Book_ISBN=B.Book_ISBN and T.Publisher='!Princeton'); 69 Result Grid	66		and T.Book_ISBN=	Book_ISBN and T	.Publisher='Prince	ton') and C.De	partment not in	
Result Grid	67	9	(select C.Depart	ent from COURSE	C, BOOK_ADOPTION B	, BTEXT T when	e B.Course_Number=C.Course_Nu	umber
Result Grid	68	-	and T.Book_ISBN=	.Book_ISBN and T	.Publisher='!Prince	eton');		
Result Grid ■	69							
Result Grid ■								
Department CS	<							
▶ CS	Res	ult Grid	Filter Rows:	Ex	oport: Wrap Cell Con	tent: IA		[
		Departr	ent					
TC	•	CS						
		rc						