CASE STUDY

<u>AIM:</u> Building Data Base Systems for following Case Study: Online Library Information System .

DESCRIPTION:

- Building a data base requires a Data Management System like SQL server, MySQL, Oracle DB, MS SQL server etc.
- DBMS stores data in the form of tables.
- Tables are collection of rows and columns that contain the data.
- Tuples are Uniquely identified by the Primary keys.
- Multiples Tables are related to each by adding foreign keys.
- Various commands like select, insert operators like and, or, >, <,>=, <=, =, clauses like where, group by, order by, exists, not exists, in, not in, and aggregate, numeric, string, group functions are used to execute various commands over the creating tables in the data base.

ENTITIES:

- 1.LIBRARY
- 2. BOOK ISSUE
- 3. MEMBERS
- 4. BOOK DETAILS
- 5. FINE
- 6. SUPPLIER

ATTRIBUTES:

- I. LIBRARY:
- 1. books
- 2. staff

II. BOOK ISSUE:

- 1. mid
- 2. bcode
- 3. dissue
- 4. dreturn
- 5. bistatus
- 6. frange

III. MEMBERS: 1. mid 2. mname 3. city 4. dreister 5. dexpire 6. mstatus IV. BOOK DETAILS: 1. bcode 2. btitle 3. category 4. author 5. publication 6. pdate 7. bedition 8. price 9. rno 10. darrival 11. sid V. FINE DETAILS: 1. frange 2. famount VI. SUPPLY 1. sid 2. sname 3. address 4. contact 5. email **SCHEMAS: MEMBERS SCHEMA:** Create table MEMBERS MID Varchar(10), MNAME Varchar(30) NOT NULL,

```
CITY Varchar(20),
rdate Date NOT NULL,
DEXPIRE Date,
MSTATUS Varchar(15)NOT NULL,
PRIMARY KEY(MID)
);
SUPPLY SCHEMA:
Create table SUPPLY_DETAILS
SID Varchar(3),
SNAME Varchar(30) NOT NULL,
ADDRESS Varchar(50),
CONTACT bigint(10) NOT NULL,
EMAIL Varchar(15) NOT NULL,
PRIMARY KEY(SID)
);
FINE SCHEMA:
Create table FDETAILS
FRANGE Varchar(3),
FAMOUNT decimal(10,2) NOT NULL,
PRIMARY KEY(FRANGE)
);
```

```
BOOK DETAILS SCHEMA:
Create table BDETAILS
BCODE Varchar(10),
BTITLE Varchar(50) NOT NULL,
CATEGORY Varchar(15) NOT NULL,
AUTHOR Varchar(30) NOT NULL,
PUBLICATION Varchar(30),
PDATE Date,
BEDITION int(2),
PRICE decimal(8,2) NOT NULL,
RNUM Varchar(3),
DARRIVAL Date NOT NULL,
SID Varchar(3) NOT NULL,
PRIMARY KEY(BCODE),
FOREIGN KEY(SID) References SUPPLY_DETAILS(sID)
);
BOOK ISSUE SCHEMA:
Create table BISSUE
BISSUE_NO int,
mID Varchar(10) NOT NULL,
BCODE Varchar(10) NOT NULL,
```

```
DISSUE Date NOT NULL,
DRETURN Date NOT NULL,
DRETURNED Date NULL,
FRANGE Varchar(3),
PRIMARY KEY(BISSUENO),
FOREIGN KEY(MID) MEMBERS(MID),
FOREIGN KEY(BCODE) BDETAILS(BCODE),
FOREIGN KEY(FRANGE) FDETAILS(FIRANGE)
);
QUERIES:
QUERIES FOR INSERTING VALUES:
Insert into MEMBERS
Values('001', 'AMIT', 'CHENNAI', '2012-02-12', '2013-02-11', 'Temporary');
Insert into MEMBERS
Values(' 002', 'ABDHUL', 'DELHI', '2012-04-10', '2013-04-09','Temporary');
Insert into MEMBERS
Values(' 003', 'GAYAN', 'CHENNAI', '2012-05-13','2013-05-12', 'Permanent');
Insert into MEMBERS
Values(' 004', 'RADHA', 'CHENNAI', '2012-04-22', '2013-04-21', 'Temporary');
Insert into MEMBERS
Values(' 005', 'GURU', 'BANGALORE', '2012-03-30', '2013-05-16','Temporary');
Insert into MEMBERS
Values(' 006', 'MOHAN', 'CHENNAI', '2012-04-12', '2013-05-16','Temporary');
```

```
select * from members;
Insert into sDETAILS
Values ('S01', 'SINGAPORE SHOPPEE', 'CHENNAI', 9894123555, 'sing@gmail.com');
Insert into sDETAILS
Values ('S02','JK Stores', 'MUMBAI', 9940123450 ,'jks@yahoo.com');
Insert into sDETAILS
Values ('S03','ROSE BOOK STORE', 'TRIVANDRUM', 9444411222,'rose@gmail.com');
Insert into sDETAILS
Values ('S04', 'KAVARI STORE', 'DELHI', 8630001452, 'kavi@redif.com');
Insert into sDETAILS
Values ('S05', 'EINSTEN BOOK GALLARY', 'US', 9542000001, 'eingal@aol.com');
Insert into sDETAILS
Values ('S06','AKBAR STORE', 'MUMBAI',7855623100 ,'akbakst@aol.com');
select * from sDETAILS;
Insert into FDETAILS Values('R0', 0);
Insert into FDETAILS Values('R1', 20);
insert into FDETAILS Values('R2', 50);
Insert into FDETAILS Values('R3', 75);
Insert into FDETAILS Values('R4', 100);
Insert into FDETAILS Values('R5', 150);
Insert into FDETAILS Values('R6', 200);
select * from FDETAILS;
```

Insert into BDETAILS

Values('BL000010', 'Java ForvDummies', 'JAVA', 'Paul J. Deitel', 'Prentice Hall', '1999-12-10', 6, 575.00, 'A1', '2011-05-10', 'S01');

Insert into BDETAILS

Values('BL000002', 'Java: The Complete Reference ', 'JAVA', 'Herbert Schildt', 'Tata Mcgraw Hill ', '2011-10-10', 5, 750.00, 'A1', '2011-05-10', 'S03');

Insert into BDETAILS

Values('BL000003', 'Java How To Do Program', 'JAVA', 'Paul J. Deitel', 'Prentice Hall', '1999-05-10', 6, 600.00, 'A1', '2012-05-10', 'S01');

Insert into BDETAILS

Values('BL000004', 'Java: The Complete Reference ', 'JAVA', 'Herbert Schildt', 'Tata Mcgraw Hill ', '2011-10-10', 5, 750.00, 'A1', '2012-05-11', 'S01');

Insert into BDETAILS

Values('BL000005', 'Java How To Do Program', 'JAVA', 'Paul J. Deitel', 'Prentice Hall', '1999-12-10', 6, 600.00, 'A1', '2012-05-11', 'S01');

Insert into BDETAILS

Values('BL000006', 'Java: The Complete Reference ', 'JAVA', 'Herbert Schildt', 'Tata Mcgraw Hill ', '2011-10-10', 5, 750.00, 'A1', '2012-05-12', 'S03');

Insert into BDETAILS

Values('BL000007', 'Let Us C', 'C', 'Yashavant Kanetkar', 'BPB Publications', '2010-12-11', 9, 500.00, 'A3', '2010-11-03', 'S03');

Insert into BDETAILS

Values('BL000008', 'Let Us C', 'C', 'Yashavant Kanetkar ','BPB Publications', '2010-05-12', 9, 500.00 , 'A3', '2011-08-09', 'S04');

Insert into BDETAILS

Values('BL000009', 'Let Us C#', 'C', 'Yashavant Kanetkar ','BPB Publications', '2010-05-12', 9, 550.00 , 'A3', '2011-08-09', 'S04');

```
Insert into BDETAILS
```

Values('BL000011', 'Let Us C++', 'C', 'Yashavant Kanetkar ','BPB Publications', '2010-05-12', 9, 650.00 , 'A3', '2011-08-09', 'S04');

select * from BDETAILS;

Insert into BISSUE

Values (001, 'LM001', 'BL000010', '2012-05-01', '2012-05-16', '2012-05-16', 'R0');

Insert into BISSUE

Values (002, 'LM002', 'BL000002', '2012-05-01', '2012-05-06', '2012-05-16', 'R2');

Insert into BISSUE

Values (003, 'LM003', 'BL000007', '2012-04-01', '2012-04-16', '2012-04-20','R1');

Insert into BISSUE

Values (004, 'LM004', 'BL000005', '2012-04-01', '2012-04-16', '2012-04-20', 'R1');

Insert into BISSUE

Values (005, 'LM005', 'BL000008', '2012-03-30', '2012-04-15','2012-04-20', 'R1');

Insert into BISSUE

Values (006, 'LM005', 'BL000008', '2012-04-20', '2012-05-05','2012-05-05', 'R0');

Insert into BISSUE

Values (007, 'LM003', 'BL000007', '2012-04-22', '2012-05-07','2012-05-25', 'R4');

select * from BISSUE ;

OUTPUT:



```
mysql> create table supply_details ( sid varchar(3), sname varchar(30) not null, addr varchar(50), contact bigint(10) not null, email varchar(15) not null, primary key(sid));
Query OK, 0 rows affected, 1 warning (0.05 sec)

mysql> create table fine ( frange varchar(3), famount decimal(10,2) not null, primary key(frange));
Query OK, 0 rows affected (0.08 sec)
```

```
mysql> create table bdetails ( bcode varchar(10), btitle varchar(50) not null, category varchar(15) not null, author varchar(30) not null, publication varchar(30), pdate date, bedition int(2), ice decimal(8,2) not null, rno varchar(3), darrival date), foreign key (sid) references supply_details(sid));
```

mysql> create table bissue(bissueno integer, mid varchar(10) not null, bcode varchar(10) not null, dissue date not nu ll, dreturn date not null, dreturned date not null, frange varchar(3), primary key (bissueno), foreign key (mid) refer ences members (mid), foreign key (bcode) references bdetails (bcode), foreign key(frange) references fine(frange)); Query OK, 0 rows affected (0.16 sec)

```
ysql> insert into members (mid,mname,city,dregister,dexpire,mstatus) values ('001','amit','chennai','2012-02-12','2013-02-11'
 , temporary'),
-> ('002', 'abdhul', 'delhi', '2012-04-10', '2013-04-09', 'temporary');
ERROR 1054 (42522): Unknown column 'dregister' in 'field list'
       temporary'
-> ('002
mysql> insert into members (mid,mname,city,dregister,dexpire,mstatus) values ('001','amit','chennai','2012-02-12','2013-02-11', 'temporary'),
-> ('002','abdhul','delhi','2012-04-10','2013-04-09','temporary');
ERROR 1054 (42522): Unknown column 'dregister' in 'field list'
   ysql> insert into members (mid,mname,city,rdate,edate,mstatus) values ('001','amit','chennai','2012-02-12','2013-02-11','temp
mysq12 Insert into members (mic/minac/ec/),
orary'),
-> ('002','abdhul','delhi','2012-04-10','2013-04-09','temporary');
Query OK, 2 rows affected (0.02 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql> insert into members (mid,mname,city,rdate,edate,mstatus) values ('003','gayan','chennai','2012-05-13','2013-05-12','per
  ysuz 7 1136 | 1160 member | (120 member | (1
mysql> select * from memebers;
ERROR 1146 (42502): Table 'dbms_project.memebers' doesn't exist
mysql> select * from members;
   mid | mname | city
                                                                                           Irdate
                                                                                                                                            edate
                                                                                                                                                                                             mstatus
                                                       | chennai | 2012-02-12 | 2013-02-11 | delhi | 2012-04-10 | 2013-04-09 | chennai | 2012-05-13 | 2013-05-12 | chennai | 2012-04-22 | 2013-04-21 | chennai | 2012-04-12 | 2013-05-16 |
                           amit | chennai
abdhul | delhi
                                                                                                                                                                                                  temporary
permanent
      002
                           gayan
                                                                                                                                                                                                    temporary
       004
                            radha
                                                                                                                                                                                                   temporary
```

```
mysql> insert into supply details
     -> values
     -> ('S01','SINGAPORE SHOPPEE', 'CHENNAI', 9894123555,'sing@gmail.com'),
-> ('S02','JK Stores', 'MUMBAI', 9940123450 ,'jks@yahoo.com'),
-> ('S03','ROSE BOOK STORE', 'TRIVANDRUM', 9444411222,'rose@gmail.com'),
     -> ('S04','KAVARI STORE', 'DELHI', 8630001452,'kavi@redif.com'),
-> ('S05','EINSTEN BOOK GALLARY', 'US', 9542000001,'eingal@aol.com'),
-> ('S06','AKBAR STORE', 'MUMBAI',7855623100,'akbakst@aol.com');
ERROR 1062 (23000): Duplicate entry 'S01' for key 'supply details.PRIMARY'
mysql> select * from sypply_details;
ERROR 1146 (42S02): Table 'dbms_project.sypply_details' doesn't exist
mysql> select * from supply_details;
 sid | sname
                                           | addr | contact | email
                                                            984123555 | sing@gmail.com
9940123450 | jks@yahoo.com
8630001452 | kavi@redif.com
  s01 | singapore shoppee
                                            | chennai |
  s02 | jk stores
                                            mumbai
        rose book store
                                            delhi
mumbai
  503
                                                                                 kavi@redif.com
  s04 | kavrai store
                                                             8630001452 | kavi@redif.com
  s05 | einstein book gallery | us | 95430000001 | eingal@aol.com
s06 | akbar store | mumbai | 7855633100 | akbakst@aol.com
 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client
 mysql> insert into fine
      -> values
      -> ('r0',0),
-> ('r1',20),
-> ('r2',50),
-> ('r3',75),
-> ('r4',100),
-> ('r5',150),
-> ('r6',200);
Query OK, 7 rows affected (0.03 sec)
Records: 7 Duplicates: 0 Warnings: 0
mysql> select * from fine;
| frange | famount |
                     0.00
  ro
                    20.00
   r1
                    50.00
   r2
                  75.00
100.00
   r3
   r4
                  150.00
   25
                  200.00
  rows in set (0.00 sec)
```

```
mysql> insert into bissue values
      -> (001, '001', 'BL000010', '2012-05-01', '2012-05-16', '2012-05-16', 'R0')
-> (002, '002', 'BL000002', '2012-05-01', '2012-05-06','2012-05-16', 'R2'),
-> (003, '003', 'BL000007', '2012-04-01', '2012-04-16', '2012-04-20','R1'),
-> (004, '004', 'BL000005', '2012-04-01', '2012-04-16','2012-04-20', 'R1'),
-> (005, '005', 'BL000008', '2012-03-30', '2012-04-15','2012-04-20', 'R1'),
-> (006, '005', 'BL000008', '2012-04-20', '2012-05-05','2012-05-05', 'R0');
                                                                                                 '2012-05-16', 'R0'),
2012-05-16', 'R2'),
Query OK, 6 rows affected (0.02 sec)
Records: 6 Duplicates: 0 Warnings: 0
mysql> select * from bissue;
                                             dissue
   bissueno | mid | bcode
                                                                                                             frange
                                                                  dreturn
                                                                                        dreturned
                                                2012-05-01 | 2012-05-16
                                                                                          2012-05-16
                    001
                              BI 000010
                                                                                                               RA
                    002
                               BL000002
                                                2012-05-01 | 2012-05-06
                                                                                          2012-05-16
              2
                                                                                                               R2
                                                                                          2012-04-20
                     003
                                                2012-04-01 | 2012-04-16
              3
                               BL000007
                                                                                                                R1
                                                2012-04-01
              4
                     004
                               BL000005
                                                                  2012-04-16
                                                                                          2012-04-20
                                                                                                                R1
              5
                     005
                               BL000008
                                                2012-03-30
                                                                  2012-04-15
                                                                                          2012-04-20
                                                                                                                R1
                              BL000008
                                             2012-04-20
                                                                  2012-05-05
                                                                                          2012-05-05
               6
                     005
                                                                                                               RØ
6 rows in set (0.00 sec)
```

QUERIES FOR OPERATIONS ON THE DATA BASE:



```
4. select m.mid,m.mname,bi.dreturn,bi.dreturned
from members m
ioin
bissue bi
on m.mid=bi.mid
where dreturn!= dreturned;
5. select mid, mname
from
members
where
mid not in(select bi.mid
from bissue bi
join fdetails f
on f.frange=bi.frange
where year(dreturned)=2012
group by bi.mid
having sum(f.famount)>0);
6. select count(Rnum)no_of_books,Rnum
from bdetails
group by Rnum
order by count(Rnum);
7. select bcode,btitle,bd.sid,max(price)
,sname
from bdetails bd
```

```
ioin sdetails sd
on sd.sid=bd.sid
group by sid;
8. select bcode,btitle,
publication,price,bedition,publish_date
from bdetails
order by bedition,publication,publish_date;
9. select bcode,btitle,
publication,datediff(current_date,publish_date)no_of_days
from bdetails
order by datediff(current_date,publish_date);
10. select m.mid,mname,3-count( dissue)remaining
from members m
left join bissue bi
on m.mid=bi.mid
group by mid;
11. select sd.sid,sd.sname,count(Rnum)
from sdetails sd
ioin bdetails bd
on sd.sid=bd.sid
group by sd.sid
having count(Rnum)=(select count(Rnum)
from bdetails bd join sdetails sd
on sd.sid=bd.sid
```

```
group by sd.sid
order by count(Rnum)
limit 1);
12. select bcode, author, btitle
from bdetails
where author like 'p%';
13. select count(category) no_of_books
from bdetails
where category ='java';
14. select category, count (category)
from bdetails
where category ='java' or category='C'
group by category;
15. select mid,mname name,city
from members
where city='delhi' or city='chennai';
16. select concat(btitle,'_Is_Written_by_',author)
from bdetails;
17. select sid, sname, email
from sdetails
where email like '%gmail%';
18. select bcode,btitle,rno
from bdetails
where rno='A1'
```

```
ORDER BY Btitle;
19. select m.mid,m.mname,m.rdate
from members m
where mid not in(select mid from bissue);
20. select count(dissue), dissue from bissue
group by bcode
having count(dissue) in
(select count(dissue)
from bissue
group by dissue
order by count(dissue) desc);
21. select btitle, sid
from bdetails
where author like 'h%'
and sid='S01'
and bedition=5;
22. select bcode,btitle,pdate
from bdetails
where month(pdate)=12;
23. select bcode,btitle,bd.sid,max(price)
,sname
from bdetails bd
join sdetails sd
```

```
on sd.sid=bd.sid
```

group by sid;

OUTPUT:

```
mysql> select btitle, bcode from bdetails where bcode in (select bcode from bissue wh
ere dissue = '2012-04-01');
  btitle
                        bcode
  Let Us C
                          BL000007
  Java How To Do Program | BL000005
 rows in set (0.00 sec)
mysql> select m.mid, m.mname, m.city, m.mstatus, sum(famount) as fine from members m
join bissue i on m.mid = i.mid join fine f on i.frange = i.frange group by m.mid, m.m
name, m.city, m.mstatus;
 mid | mname | city | mstatus
                                    fine
       mohan | chennai | temporary
 005
                                    1190.00
                chennai
  004
                          temporary
                                      595.00
       radha
                chennai
                                       595.00
  003
       gayan
                          permanent
  002
       abdhul | delhi
                                       595.00
                          temporary
               | chennai | temporary
  001 | amit
                                      595.00
 rows in set (0.01 sec)
```

www.gal> select m.mid, m.mname, f.frange, sum(f.famount) from members m join fine f join bissue bi on m.mid = bi.frange group by m.mid ha ving sum(f.famount) > 100; Empty set (0.00 sec) mysql> select bcode, btitle, publication, price, bedition, pdate from bdetails order by bedition, publication, pdate; bcode | btitle publication | price | bedition | pdate BL000002 | Java: The Complete Reference Tata Mcgraw Hill 750.00 2011-10-10 Tata Mcgraw Hill Tata Mcgraw Hill Prentice Hall BL000004 BL000006 Java: The Complete Reference Java: The Complete Reference 750.00 750.00 2011-10-10 2011-10-10 Java How To Do Program
Java How To Do Program
Java How To Do Program
Java ForvDummies BL000003 600.00 1999-05-10 BL000005 BL000010 | Java FOr BL000008 | Let Us C SL000009 | Let Us C# 600.00 575.00 500.00 Prentice Hall 1999-12-10 Prentice Hall BPB Publications BPB Publications 2010-05-12 2010-05-12 Let Us C++ Let Us C RPR Publications 650.00 2010-05-12 BL000007 BPB Publications 2010-12-11 10 rows in set (0.01 sec) nysql> select m.mid, m.mname, bi.dreturn, bi.dreturned from members m join bissue bi on m.mid = bi.mid where dreturn != dreturned; mid | mname | dreturn dreturned 2012-05-06 2012-04-16 2012-05-16 2012-04-20 2012-04-20 abdhul 002 gayan radha 2012-04-16 004 2012-04-20 rows in set (0.00 sec)

mysql> select mid, mname from members where mid not in (select bi.mid from bissue bi join fine f on f.frange = bi.frange where year(dre turned) = 2012 group by bi.mid having sum(f.famount) > 0);

| mid | mname |
+----+
| 006 | MOHAN |
+----+

🛼 Select MySQL 8.0 Command Line Client mysql> desc bdetails; Field | Null | Key | Default | Extra Type bcode varchar(10) PRI NULL NO btitle varchar(50) NO NULL varchar(15) varchar(30) NULL category NO author NO NULL publication varchar(30) pdate date NULL bedition int YES NULL decimal(8,2) price NO NULL rno varchar(3) NULL darrival NULL date NO sid varchar(3) NO MUL NULL 11 rows in set (0.00 sec) mysql> select count(rno) , rno from bdetails group by rno order by count(rno); count(rno) | rno 6 A1 2 rows in set (0.00 sec)

```
🔜 MySQL 8.0 Command Line Client - Unicode
mysql> select bcode, author, btitle
     -> from bdetails
     -> where author like 'p%';
  bcode
              l author
                                      btitle
  BL000003 | Paul J. Deitel | Java How To Do Pi
BL000005 | Paul J. Deitel | Java How To Do Pi
BL000010 | Paul J. Deitel | Java ForvDummies
                                      Java How To Do Program
Java How To Do Program
3 rows in set (0.00 sec)
mysql> select count(category) no_of_books
     -> from bdetails
     ->
     -> where category ='java';
  no_of_books
               6
1 row in set (0.00 sec)
mysql> select category,count(category)
     -> from bdetails
     -> where category ='java' or category='C'
     -> group by category;
  category | count(category)
  AVA
                                  6
                                  4
  rows in set (0.00 sec)
```

```
mysql> select mid,mname name,city
    ->
    -> from members
    ->
    -> where city='delhi' or city='chennai';
 mid | name
                 city
  001
        amit
                  chennai
  002
        abdhul
                  de lhi
  003
        gayan
                  chennai
  004
        radha
                  chennai
  005
        mohan
                  chennai
  006
        MOHAN
                  CHENNAI
 rows in set (0.00 sec)
```

```
nysql> select sid,sname,email
    -> from supply_details
-> where email like '%gmail%';
  sid | sname
                                 email
  s01 | singapore shoppee | sing@gmail.com
 row in set (0.00 sec)
mysql> select bcode,btitle,rno
    -> from bdetails
    ->
    -> where rno='A1'
    ->
     -> ORDER BY Btitle;
  bcode
               btitle
                                                      rno
  BL000010
               Java ForvDummies
                                                      A1
               Java How To Do Program
Java How To Do Program
                                                      A1
  BL000003
  BL000005
                                                      A1
               Java: The Complete Reference
Java: The Complete Reference
  BL000002
                                                      A1
  BL000004
                                                      A1
  BL000006 | Java: The Complete Reference
                                                      A1
  rows in set (0.00 sec)
```

```
mysql> select bcode,btitle,rno
     -> from bdetails
     -> where rno='A1'
     -> ORDER BY Btitle;
  bcode
               | btitle
                                                               rno
  BL000010
                  Java ForvDummies
                                                                A1
  BL000003 | Java How To Do Program
BL000005 | Java How To Do Program
BL000002 | Java: The Complete Reference
BL000004 | Java: The Complete Reference
BL000006 | Java: The Complete Reference
                                                                A1
                                                                A1
                                                                A1
                                                               A1
                                                               A1
 rows in set (0.00 sec)
mysql> select m.mid,m.mname,m.rdate
     -> from members m
     -> where mid not in(select mid from bissue);
  mid | mname | rdate
  006 | MOHAN | 2012-04-12
  row in set (0.00 sec)
```

```
nysql> select count(dissue) , dissue from bissue
    -> group by bcode
    -> having count(dissue) in
    -> from bissue
    -> group by dissue
   -> order by count(dissue) desc);
 count(dissue) | dissue
                    2012-05-01
2012-04-01
2012-04-01
2012-03-30
2012-05-01
 rows in set (0.00 sec)
nysql> select btitle,sid
   -> from bdetails
   -> where author like 'h%'
   -> and bedition=5;
 btitle
                                       sid İ
 Java: The Complete Reference
                                      | S01 |
 row in set (0.00 sec)
nysql> select bcode,btitle,pdate
   -> from bdetails
   -> where month(pdate)=12;
 bcode | btitle
                                            pdate
 BL000005 | Java How To Do Program
BL000007 | Let Us C
BL000010 | Java ForvDummies
                                             1999-12-10
2010-12-11
1999-12-10
```