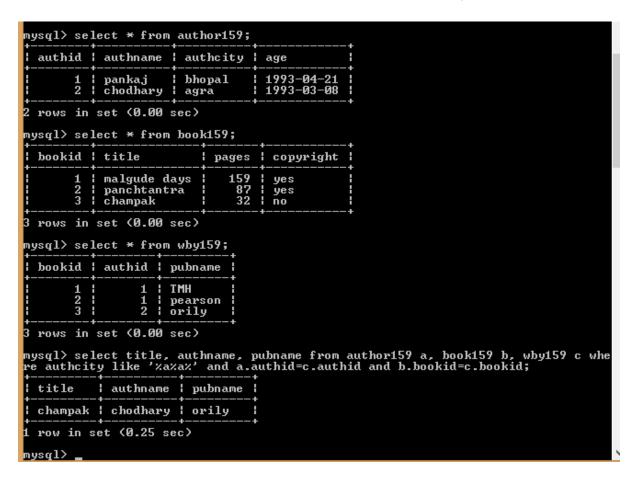
DBMS Assignment

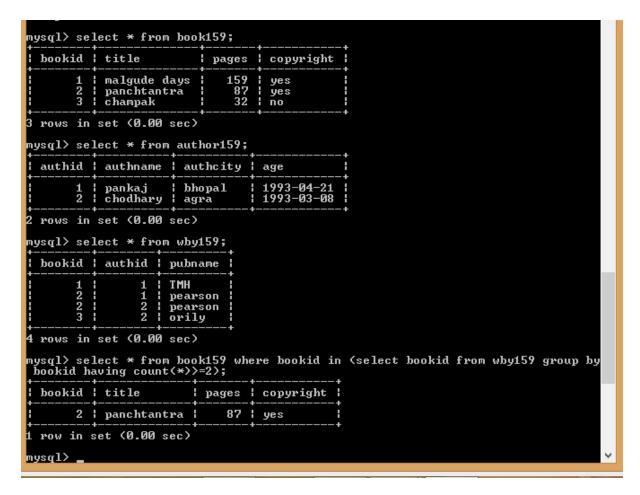
Shreyansh Jain 11CSS-59 5th Semester q1) get the title, author name, publisher name for author whose city contain total no of a=2.

select title, authname, pubname from author159 a, book159 b, wby159 c where authcity like '%a%a%' and a.authid=c.authid and b.bookid=c.bookid;



q2) give the details of the book which is written by at least two authors.

select * from book159 where bookid in (select bookid from wby159 group by bookid having count(*)>=2);



q3) write a stored procedure (insertintoauth) to insert the author information.

```
create function agevalidate159(ag date) returns int
begin
declare diff int;
set diff=Datediff(sysdate(),ag);
if diff>6575 and diff<21915 then
return 1;
else
return 0;
end if;
end#
create procedure insertintoauth159(in id int,name
varchar(20), city varchar(20), age date)
begin
declare c int;
set c=(select count(*) from author159 where
authid=id);
if c>0 then
select 'Author ID already exists';
else
if agevalidate159(date) =1 then
```

```
insert into author159 values(id,name,city,age);
else
select 'Condition Not Satisfied';
end if;
end if;
end#
```

```
mysql> create function agevalidate159(ag date) returns int

- begin
- declare diff int;
-> set diff=Datediff(sysdate(),ag);
-> if diff)6575 and diff(21915 then
-> return 1;
-> else
-> return 0;
-> end if;
-> end if;
-> end guery OK, 0 rows affected (0.00 sec)

mysql> create procedure insertintoauth159(in id int,name varchar(20),city varchar(20),age date)
-> begin
-> declare c int;
-> set c=(select count(*) from author159 where authid=id);
-> if c>0 then
-> select 'Author ID already exists';
-> else
-> if agevalidate159(date) =1 then
-> insert into author159 values(id,name,city,age);
-> else
-> select 'Condition Not Satisfied';
-> end if;
-> end if;
-> end if;
-> end ff
Query OK, 0 rows affected (0.00 sec)

mysql>

Mysql>
```

q4) write a stored procedure (insertbookinfo) to insert the book information such as bookid, title, no of pages, copyright, authorid, publisher name.

```
create procedure insertwby159(in bid int, id int,
pbname varchar(20))
begin
insert into wby159 values(bid,id,pbname);
end#
create procedure insertbook159(in bid int, cp
varchar(5), title varchar(20), pages int, id int, pbname
varchar(20))
begin
declare ct int;
set ct=(select count(*) from book159 where
bookid=bid);
if ct>0 then
select 'Book ID already exists';
else
insert into book159 values(bid,title,pages,cp);
call insertwby159(bid,id,pbname);
end if;
end#
create procedure insertbookinfo159(in bid int, title
```

create procedure insertbookinfo159(in bid int, title varchar(20), pages int, cp varchar(5), id int, pbname varchar(20))

```
begin
declare ct int;
set ct=(select count(*) from author159 where
authid=id);
if ct=0 then
select 'ERROR';
else
call insertbook159(bid,cp,title,pages,id,pbname);
end if;
end#
```

```
miter' at line 1
mysql> delimiter #
mysql> create procedure insertwby159(in bid int, id int, phname varchar(20))

-> begin
-> insert into wby159 values(bid,id,phname);
-> end#
Query OK, Ø rows affected (0.00 sec)
mysql> create procedure insertbook159(in bid int, cp varchar(5), title varchar(2
Ø), pages int, id int, phname varchar(20))
-> begin
-> declare ct int;
-> set ct=(select count(*) from book159 where bookid=bid);
-> if ct>0 then
-> select 'Book ID already exists';
-> else
-> insert into book159 values(bid,title,pages,cp);
-> call insertwby159(bid,id,phname);
-> end if;
-> end#
Query OK, Ø rows affected (0.00 sec)
mysql> create procedure insertbookinfo159(in bid int, title varchar(20), pages int, cp varchar(5), id int, phname varchar(20))
-> begin
-> declare ct int;
-> set ct=(select count(*) from author159 where authid=id);
-> if ct=0 then
-> select 'ERROR';
-> else
-> call insertbook159(bid,cp,title,pages,id,phname);
-> end if;
-> end#
Query OK, Ø rows affected (0.00 sec)
mysql> call insertbookinfo159(4,'pinky',56,'yes',2,'lala ram');
-> #
Query OK, Ø rows affected (0.56 sec)
mysql>
mysql>
call insertbookinfo159(4,'pinky',56,'yes',2,'lala ram');
-> #
Query OK, I row affected (0.56 sec)
mysql>
```

```
insertbook159(bid,cp,title,pages,id,pbname);
       end if;
       end#
Query OK, 0 rows affected (0.00 sec)
mysql> call insertbookinfo159(4,'pinky',56,'yes',2,'lala ram');
Query OK, 1 row affected (0.56 sec)
mysql> select * from book159;
-> #
 bookid | title
                             pages
                                      copyright
            malgude days
       1
2
3
                               159
                                87
32
            panchtantra
                                      yes
            champak
                                      no
 rows in set (0.00 sec)
mysql> delimiter ;
mysql> select * from wby159;
 bookid | authid | pubname
                      TMH
       12234
                      pearson
                      pearson
orily
                      lala ram
  rows in set (0.00 sec)
```

q5) write a stored procedure to delete the author information using its authid.

```
create procedure delauthor159(in id int)
begin
declare ct int;
declare str varchar(100) default "";
set ct=(select count(*) from wby159 where authid=id);
if ct>0 then
set str=concat(str,"You can't delete Author because
total ",ct," book exist in table book159. First delete all
the books written by him");
```

```
select str as "ERROR";
else
delete from author159 where authid=id;
end if;
end#
q6) write a stored procedure to delete the book using
authid.
create procedure delbook159(in id int)
begin
declare bid int;
declare i int;
set i=(select count(*) from wby159 where authid=id);
myloop:loop
if i>0 then
set i=i-1;
set bid=(select bookid from wby159 where authid=id
limit i,1);
delete from book159 where bookid=bid;
iterate myloop;
else
leave myloop;
end if;
end loop myloop;
end#
```