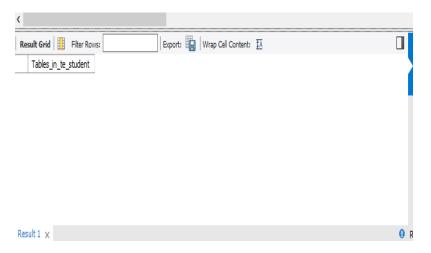
EXPERIMENT NO: 2

Samarth Hanji TE59

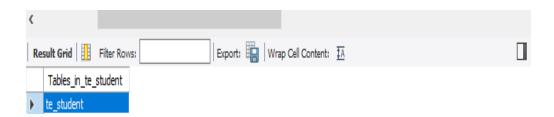
create database TE_student;

use TE_student;

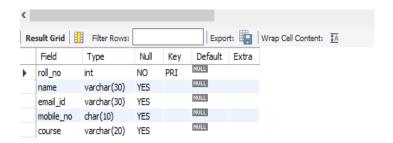
show tables;



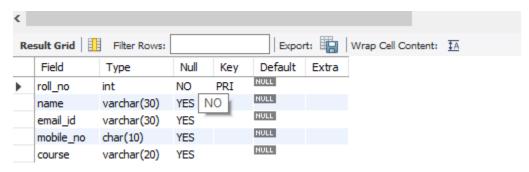
create table TE_student(roll_no int(5) primary key, name varchar(30), email_id varchar(30), mobile_no char(10), course varchar(20));



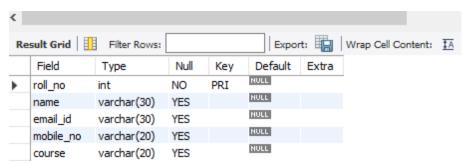
desc TE_student;



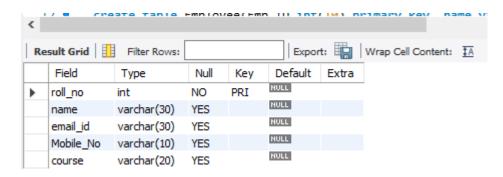
alter table TE_student drop address;



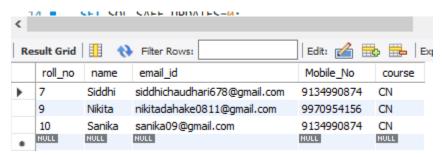
alter table TE_student modify mobile_no varchar(20);



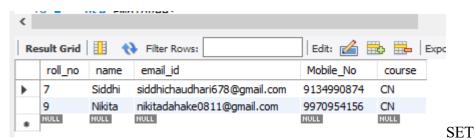
alter table TE_student change mobile_no Mobile_No varchar(10);



insert into TE_student values(7,'Siddhi','siddhichaudhari678@gmail.com','9134990874','CN'); insert into TE_student values(9,'Nikita','nikitadahake0811@gmail.com','9970954156','CN'); insert into TE_student values(10,'Sanika','sanika09@gmail.com','9134990874','CN'); select *from TE_student;



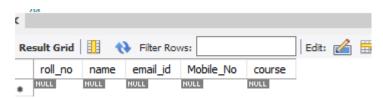
delete from TE_student where name='sanika';
select *from TE_student;



SQL SAFE UPDATES=0;

truncate table TE_student;

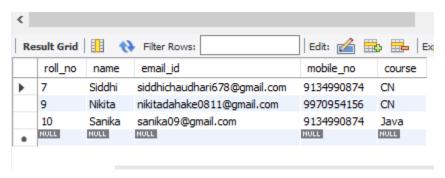
select *from TE_student;



Drop table TE student;



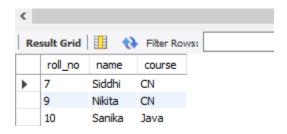
#Again create table and insert values



create view v1 as select roll_no,name from TE_student where course='CN'; select*from v1;

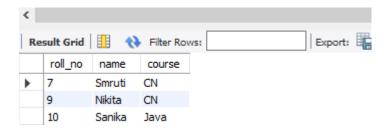


create view v2 as select roll_no,name,course from TE_student; select*from v2;

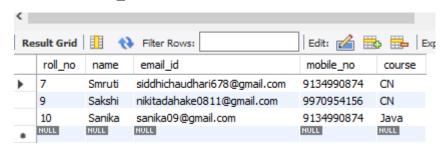


update v2 set name ='Smruti' where roll_no=7;

select*from v2;



update TE_student set name ='Sakshi' where roll_no=9; select *from TE_student;



create table studinfo(roll_no integer(10) Primary key AUTO_INCREMENT, Name varchar(30), Mobile no varchar(10));

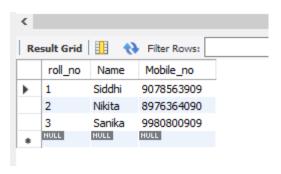
desc studinfo;

insert into studinfo(Name, Mobile_no) values('Siddhi', '9078563909');

insert into studinfo(Name, Mobile no) values('Nikita', '8976364090');

 $insert\ into\ studinfo(Name,Mobile_no)\ values('Sanika','9980800909');$

select *from studinfo;



EXPERIMENT NO 3

Samarth Hanji TE59

create database bank;

use bank;

create table account(acc_no int(10) primary key ,branch_name varchar(20), balance int(20));

insert into account values (1001, 'Akurdi', 15000+1000);

insert into account values (1002, 'Nigdi', 11000-500);

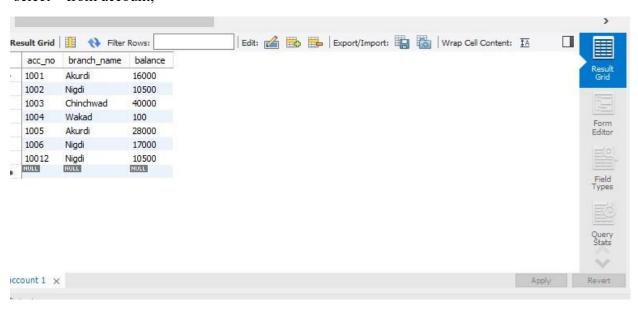
insert into account values (1003, 'Chinchwad', 20000*2);

insert into account values (1004, 'Wakad', 10000/100);

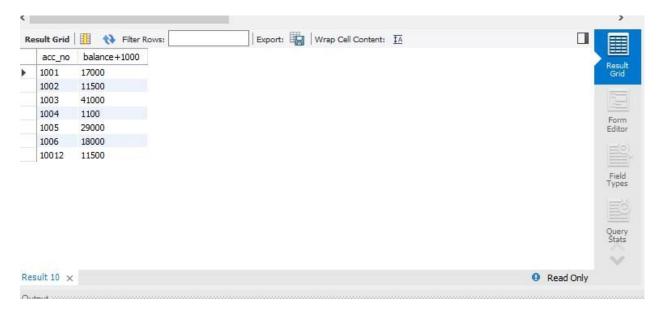
insert into account values (1005, 'Akurdi', 14000*2);

insert into account values (1006, 'Nigdi', 17000);

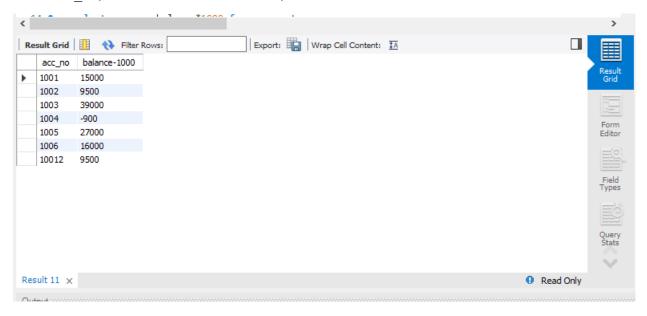
select * from account;



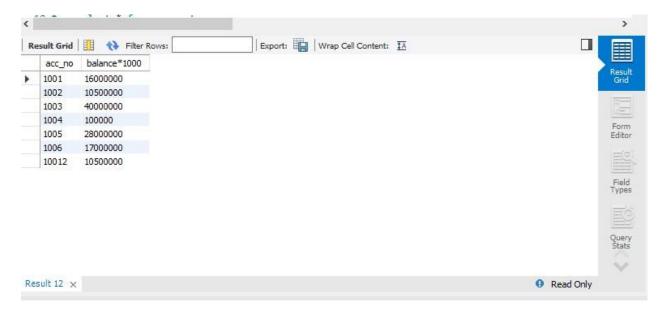
select acc no, balance+1000 from account;



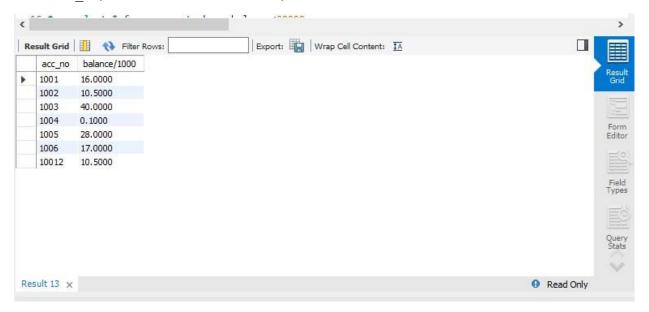
select acc_no, balance-1000 from account;



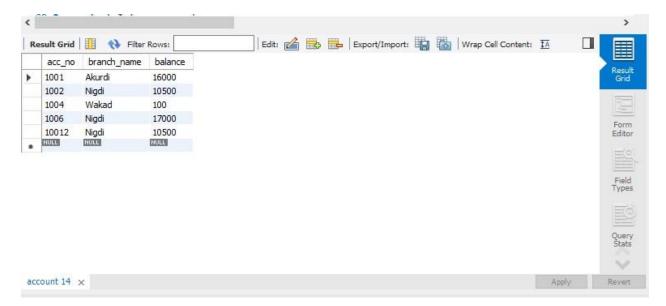
select acc_no, balance*1000 from account;



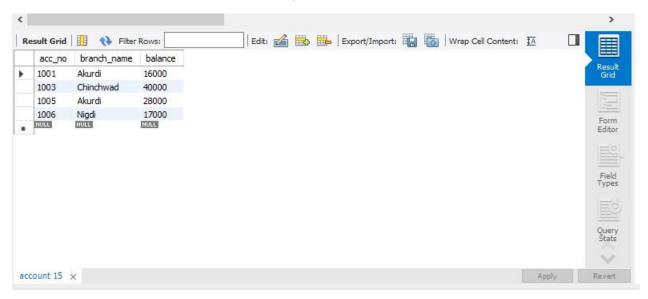
select acc no, balance/1000 from account;



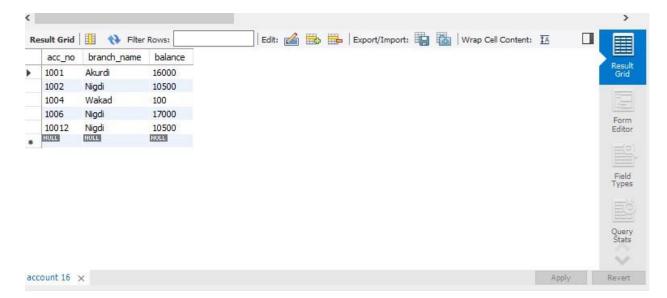
select * from account where balance < 20000;



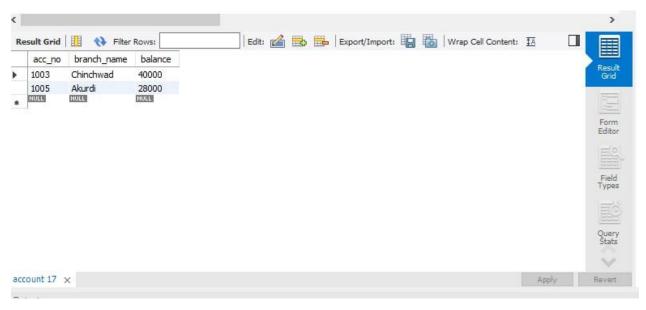
select * from account where balance>15000;



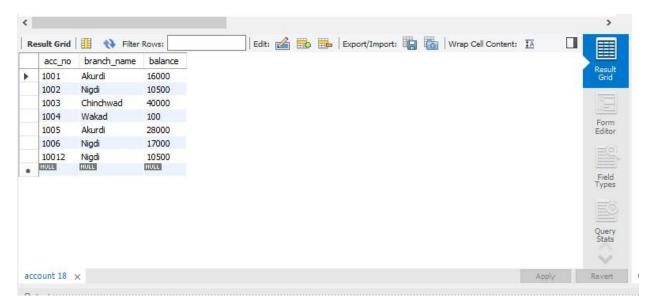
select * from account where balance <= 20000;



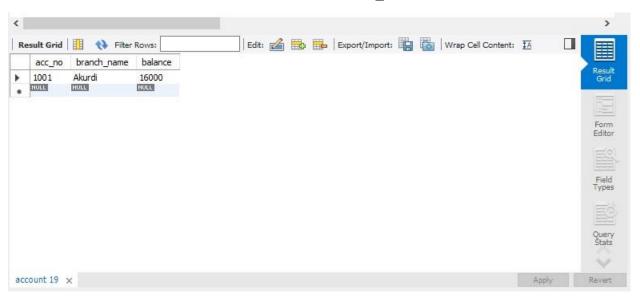
select * from account where balance>= 20000;



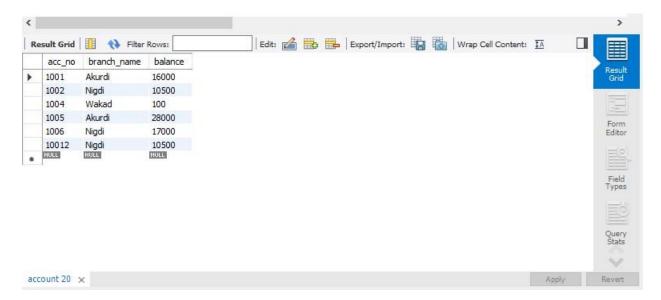
select * from account where balance != 20000;



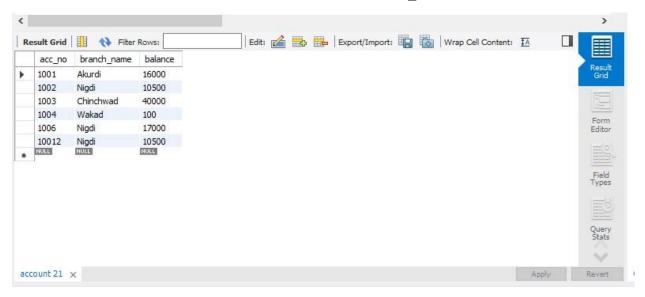
select * from account where balance<20000 AND branch_name = 'Akurdi';



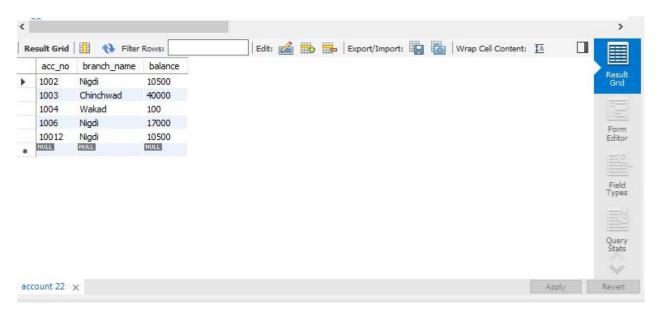
select * from account where balance<20000 OR branch_name = 'Akurdi';



select * from account where balance<20000 OR NOT branch_name = 'Akurdi';

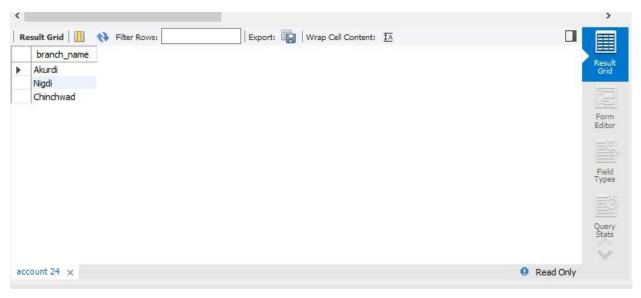


select * from account where NOT branch name = 'Akurdi';

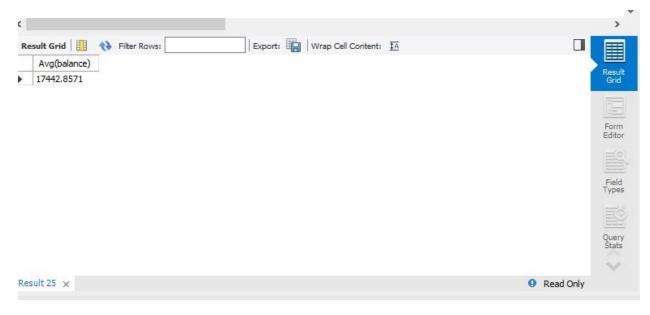


#Find the branches where average account balance >12000.

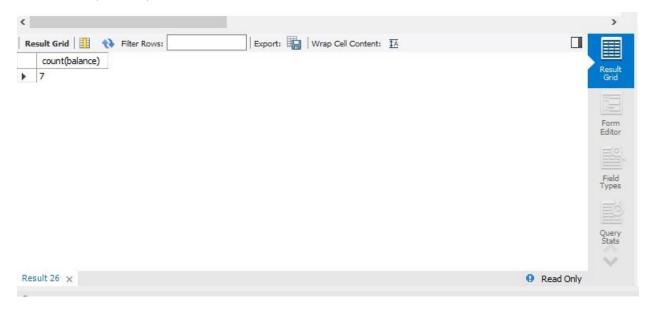
select branch_name from account group by branch_name having avg(balance)>12000;



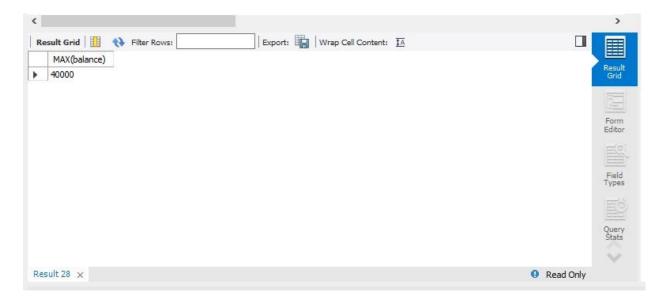
select Avg(balance) from account;



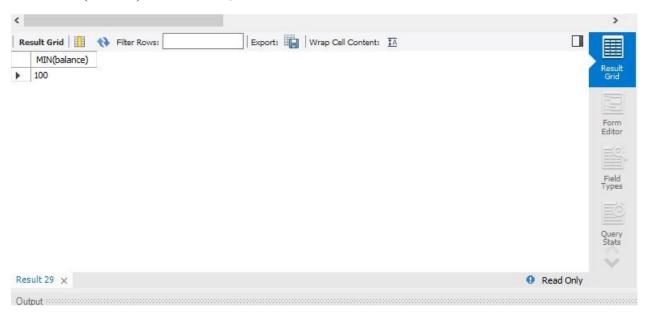
select count(balance) from account;



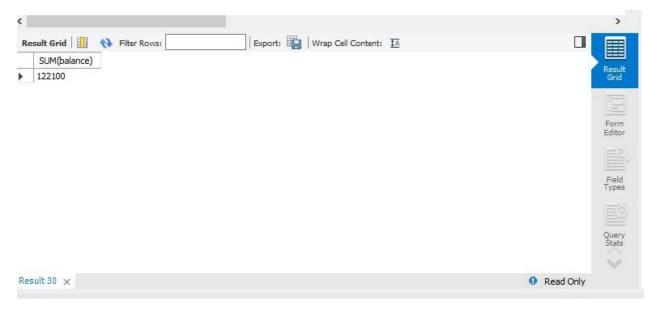
select MAX(balance) from account;



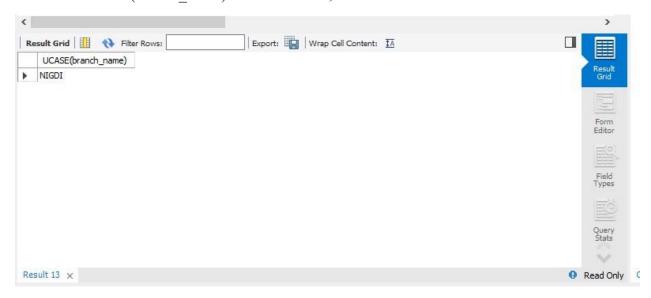
select MIN(balance) from account;



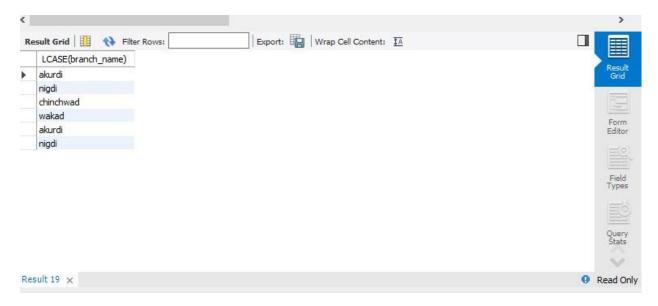
select SUM(balance) from account;



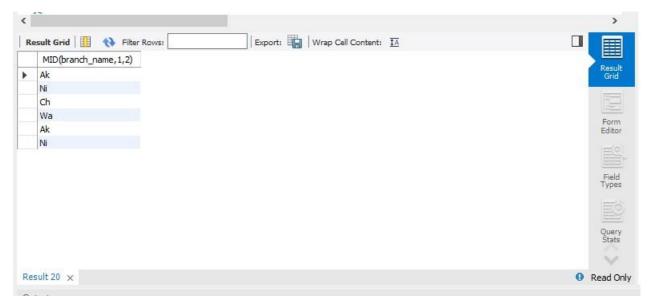
SELECT UCASE(branch_name) FROM account;



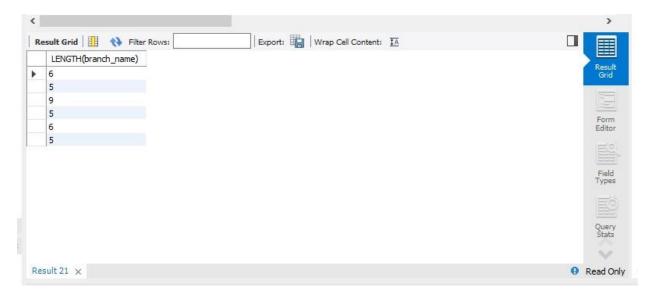
SELECT LCASE(branch_name) FROM account;



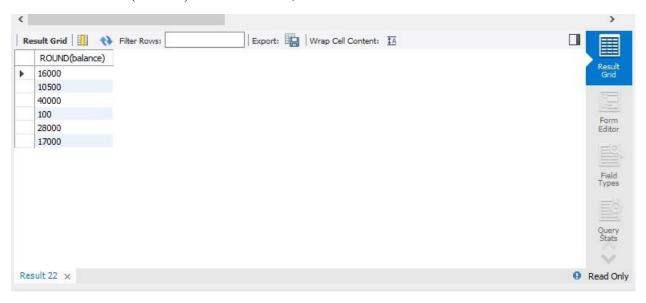
SELECT MID(branch_name,1,2) FROM account;



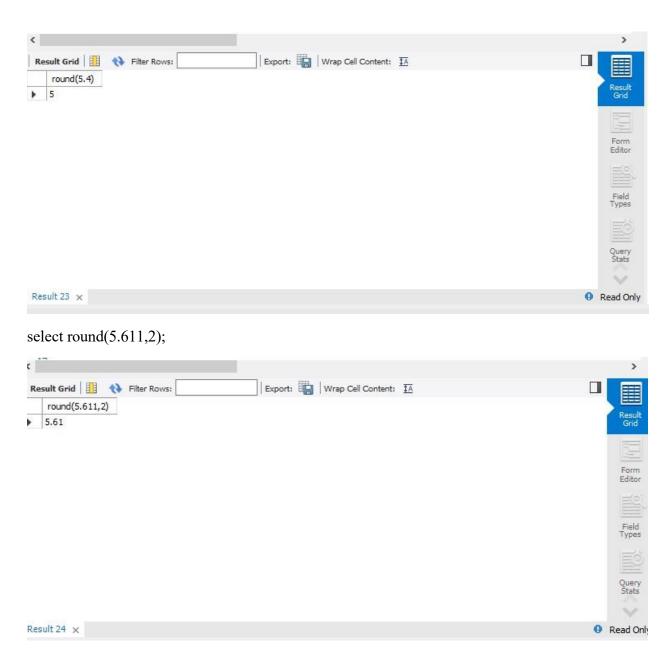
SELECT LENGTH(branch_name) FROM account;



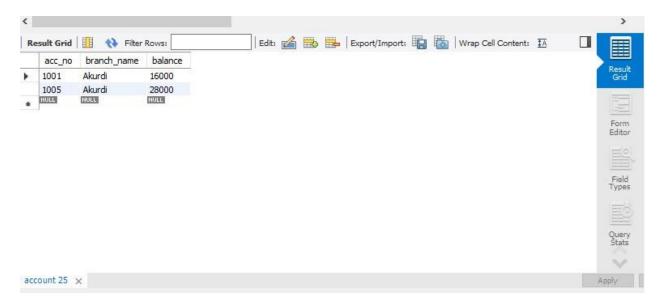
SELECT ROUND(balance) FROM account;



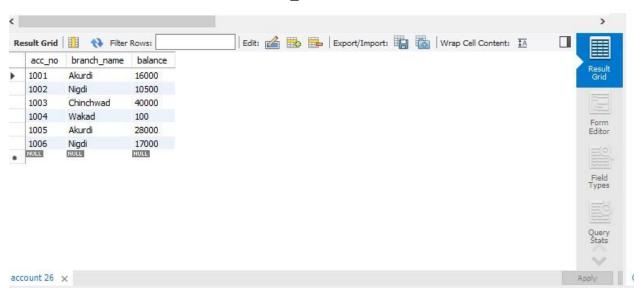
select round(5.4);



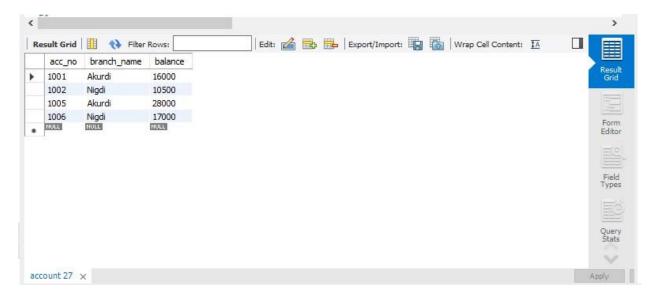
SELECT * FROM account WHERE branch_name LIKE 'ak%';



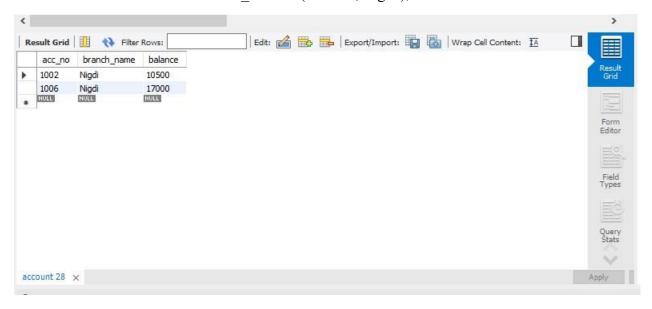
SELECT * FROM account WHERE branch_name LIKE '%d%';



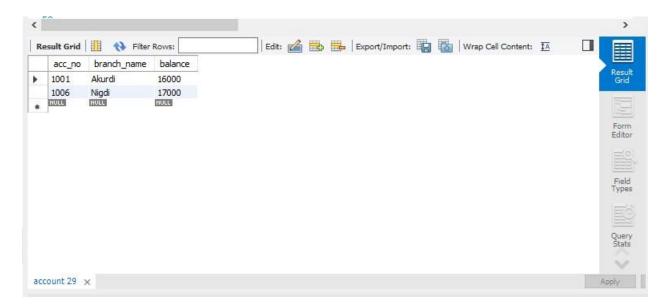
SELECT * FROM account WHERE branch name LIKE '%di';



#Q.Display the accounts from Akrudi and Nigdi branch select * from account where branch_name in('Akrudi','Nigdi');

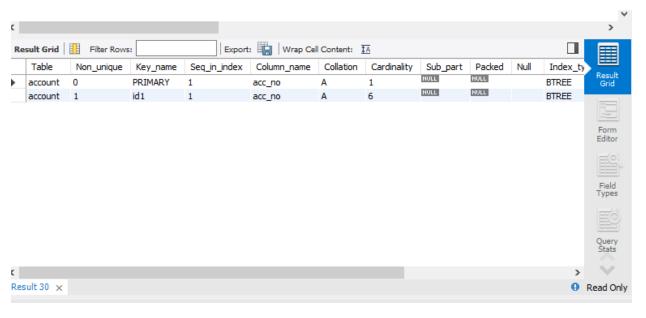


#Q.Display the account details having balance between 15000 and 20000 select * from account where balance between 15000 and 20000;



create index id1 on account (acc_no);

show indexes from account;



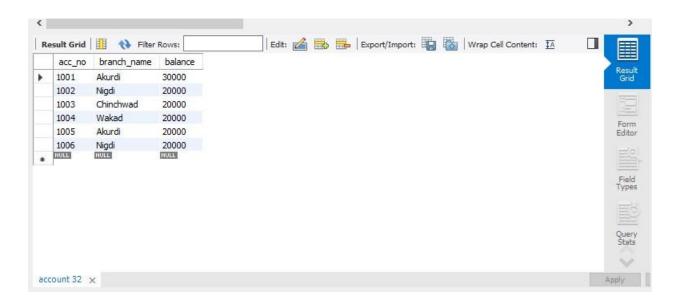
#update

SET SQL_SAFE_UPDATES=0;

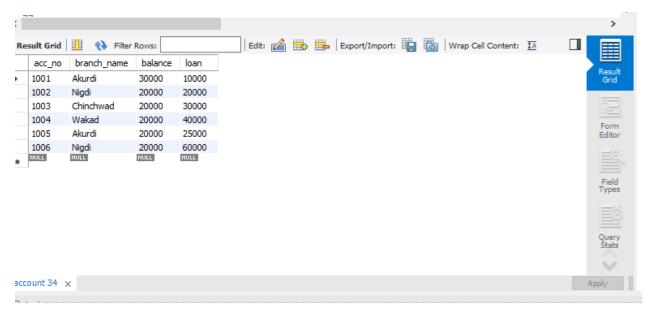
update account set balance ='20000';

update account set balance='30000' where acc_no=1001;

select * from account;



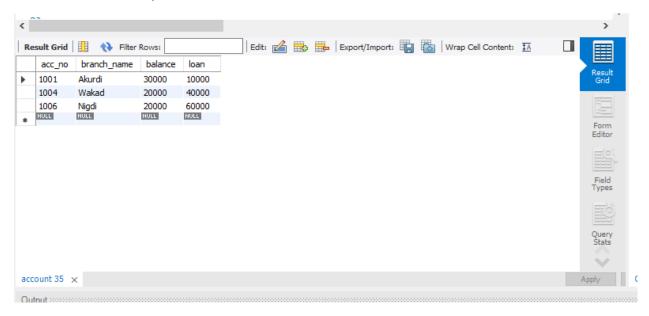
alter table account add(loan varchar(10)); update account set loan =10000 where acc_no=1001; update account set loan =20000 where acc_no=1002; update account set loan =30000 where acc_no=1003; update account set loan =40000 where acc_no=1004; update account set loan =25000 where acc_no=1005; update account set loan =60000 where acc_no=1006; select * from account;



#Q14. DELETE all loans with loan amount between 10000 and 40000.

delete from account where loan>10000 and loan<40000;

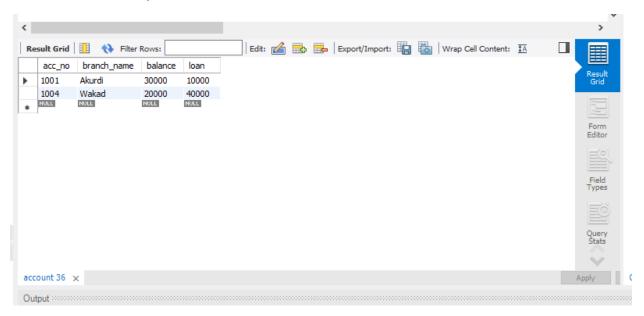
select * from account;



#Q15. DELETE all loans at every branch located in Nigdi.

delete from account where branch_name='Nigdi';

select * from account;



EXPERIMENT NO.4

Samarth Hanji TE59

mysql> show databases;
++
Database
++
information_schema
mysql
performance_schema
student
sys
++
5 rows in set (0.01 sec)
mysql> create database assign;
Query OK, 1 row affected (0.02 sec)
Query OK, 1 row affected (0.02 sec)
Query OK, 1 row affected (0.02 sec) mysql> show databases;
mysql> show databases;
mysql> show databases;
mysql> show databases; ++ Database

```
student
sys
+----+
9 rows in set (0.00 sec)
mysql> use assign;
Database changed
mysql> create table emp1(empno integer, ename varchar(15), joindate date, esal integer, primary
key(empno));
Query OK, 0 rows affected (0.05 sec)
mysql> desc emp1;
+----+
| Field | Type | Null | Key | Default | Extra |
+----+
empno int NO PRI NULL
ename | varchar(15) | YES | NULL |
            |YES | NULL | |
| joindate | date
esal int YES | NULL |
+----+
4 rows in set (0.01 \text{ sec})
mysql> insert into emp1 values
 -> (1,"Suresh",'2005-12-25',4000),
 -> (2,"Mahesh",'2020-10-14',5000),
 -> (3,"Ramesh",'2019-06-20',3000);
Query OK, 3 rows affected (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql> insert into emp1 values
 -> (4,"Shashank",'2015-10-05',2000),
 -> (5,"Binod",'2015-05-24',1000),
 -> (6,"Mohit",'2009-04-10',300);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> select * from emp1;
+---+
empno ename | joindate | esal |
+---+
  1 | Suresh | 2005-12-25 | 4000 |
  2 | Mahesh | 2020-10-14 | 5000 |
  3 | Ramesh | 2019-06-20 | 3000 |
  4 | Shashank | 2015-10-05 | 2000 |
  5 | Binod | 2015-05-24 | 1000 |
  6 | Mohit | 2009-04-10 | 300 |
+---+
6 rows in set (0.00 \text{ sec})
mysql> insert into emp1 (empno) values (11);
Query OK, 1 row affected (0.00 sec)
mysql> select * from emp1;
+---+
empno ename | joindate | esal |
+---+
```

```
2 | Mahesh | 2020-10-14 | 5000 |
   3 | Ramesh | 2019-06-20 | 3000 |
   4 | Shashank | 2015-10-05 | 2000 |
   5 | Binod | 2015-05-24 | 1000 |
  6 | Mohit | 2009-04-10 | 300 |
  11 | NULL | NULL
                       | NULL |
+---+
7 rows in set (0.00 \text{ sec})
mysql> create table emp2(empno integer, ename varchar(15), joindate date, esal integer, primary
key(empno));
Query OK, 0 rows affected (0.01 sec)
mysql> show tables;
+----+
| Tables in assign |
+----+
emp1
emp2
+----+
2 rows in set (0.00 sec)
mysql> insert into emp2 select * from emp1;
Query OK, 7 rows affected (0.00 sec)
Records: 7 Duplicates: 0 Warnings: 0
mysql> select * from emp2;
+---+
```

1 | Suresh | 2005-12-25 | 4000 |

```
empno ename joindate esal
+---+
   1 | Suresh | 2005-12-25 | 4000 |
  2 | Mahesh | 2020-10-14 | 5000 |
  3 | Ramesh | 2019-06-20 | 3000 |
  4 | Shashank | 2015-10-05 | 2000 |
  5 | Binod | 2015-05-24 | 1000 |
  6 | Mohit | 2009-04-10 | 300 |
  11 | NULL | NULL
                     | NULL |
+---+
7 rows in set (0.00 \text{ sec})
mysql> select ename, joindate from emp2;
+----+
| ename | joindate |
+----+
| Suresh | 2005-12-25 |
| Mahesh | 2020-10-14 |
| Ramesh | 2019-06-20 |
| Shashank | 2015-10-05 |
| Binod | 2015-05-24 |
| Mohit | 2009-04-10 |
| NULL | NULL
+----+
7 rows in set (0.00 \text{ sec})
mysql> select ename, esal from emp2 where esal > 2000;
+----+
```

```
ename esal
+----+
| Suresh | 4000 |
| Mahesh | 5000 |
| Ramesh | 3000 |
+----+
3 \text{ rows in set } (0.00 \text{ sec})
mysql> select ename, esal from emp2 where esal < 2000;
+---+
ename esal
+---+
| Binod | 1000 |
| Mohit | 300 |
+---+
2 rows in set (0.00 sec)
mysql> select ename, esal from emp2 where esal >= 2000;
+----+
ename esal
+----+
| Suresh | 4000 |
| Mahesh | 5000 |
| Ramesh | 3000 |
| Shashank | 2000 |
+----+
4 rows in set (0.00 \text{ sec})
```

```
mysql> select ename, esal from emp2 where esal <= 2000;
+----+
ename esal
+----+
| Shashank | 2000 |
| Binod | 1000 |
| Mohit | 300 |
+----+
3 \text{ rows in set } (0.00 \text{ sec})
mysql> select distinct(esal) from emp2;
+---+
esal
+---+
| 4000 |
| 5000 |
| 3000 |
| 2000 |
| 1000 |
| 300 |
| NULL |
+---+
7 rows in set (0.00 \text{ sec})
mysql> select * from emp2 order by joindate;
+---+
empno ename joindate esal
+---+
```

```
11 | NULL | NULL | NULL |
   1 | Suresh | 2005-12-25 | 4000 |
  5 | Binod | 2015-05-24 | 1000 |
  4 | Shashank | 2015-10-05 | 2000 |
  3 | Ramesh | 2019-06-20 | 3000 |
  2 | Mahesh | 2020-10-14 | 5000 |
  6 | Mohit | 2009-04-10 | 300 |
+---+
7 rows in set (0.00 \text{ sec})
mysql> update emp2 set esal=10000 where ename="Suresh";
Query OK, 1 row affected (0.00 sec)
mysql> select * from emp2;
+----+
empno ename joindate esal
+----+
  1 | Suresh | 2005-12-25 | 10000 |
  2 | Mahesh | 2020-10-14 | 5000 |
  3 | Ramesh | 2019-06-20 | 3000 |
  4 | Shashank | 2015-10-05 | 2000 |
  5 | Binod | 2015-05-24 | 1000 |
  6 | Mohit | 2009-04-10 | 300 |
  11 NULL | NULL | NULL |
+----+
7 rows in set (0.00 \text{ sec})
mysql> delete from emp2 where ename="Suresh";
```

```
mysql> select * from emp2;
+----+
empno ename | joindate | esal |
+---+
  2 | Mahesh | 2020-10-14 | 5000 |
  3 | Ramesh | 2019-06-20 | 3000 |
  4 | Shashank | 2015-10-05 | 2000 |
  5 | Binod | 2015-05-24 | 1000 |
  6 | Mohit | 2009-04-10 | 300 |
  11 | NULL | NULL | NULL |
+---+
6 rows in set (0.00 \text{ sec})
mysql> select * from emp1 where esal between 2000 and 5000;
+----+
empno ename | joindate | esal |
+---+
  1 | Suresh | 2005-12-25 | 4000 |
  2 | Mahesh | 2020-10-14 | 5000 |
  3 | Ramesh | 2019-06-20 | 3000 |
  4 | Shashank | 2015-10-05 | 2000 |
+---+
4 rows in set (0.00 \text{ sec})
mysql> select * from emp1 where esal not in (2000,5000);
+----+
```

Query OK, 1 row affected (0.00 sec)

empno ename joindate esal
++
1 Suresh 2005-12-25 4000
3 Ramesh 2019-06-20 3000
5 Binod 2015-05-24 1000
6 Mohit 2009-04-10 300
++
4 rows in set (0.00 sec)

EXPERIMENT NO: 05

Samarth Hanji TE59

create database pune bank; use

pune_bank;

create table branch(branch_name varchar(20) primary key, branch_city varchar(20), assets int(20));

insert into branch values('Akurdi','Pune',200000); insert

into branch values('Nigadi','PCMC',300000); insert into

branch values('Wakad','Pune',100000); insert into

branch values('Chinchwad', 'PCMC', 400000); insert into

branch values('Sangavi','Pune',230000); select * from

branch;

	branch_name	branch_city	assets
•	Akurdi	Pune	200000
	Chinchwad	PCMC	400000
	Nigadi	PCMC	300000
	Sangavi	Pune	230000
	Wakad	Pune	100000
	NULL	NULL	NULL

create table account(acc_no int(10) primary key, branch_name varchar(20), balance int(20), constraint FK S foreign key(branch_name) references branch(branch_name) on delete cascade);

insert into account values(1001,'Akurdi',15000);

insert into account values(1002,'Nigadi',11000);

insert into account values(1003,'Chinchwad',20000);

insert into account values(1004,'Wakad',10000);

insert into account values(1005,'Akurdi',14000);

insert into account values(1006,'Nigadi',17000);

select * from account;

	acc_no	branch_name	balance
•	1001	Akurdi	15000
	1002	Nigadi	11000
	1003	Chinchwad	20000
	1004	Wakad	10000
	1005	Akurdi	14000
	1006	Nigadi	17000

create table loan(loan_no int(20) primary key, branch_name varchar(20), amount int(20), constraint FK 6 foreign key(branch name) references branch(branch name) on delete cascade);

insert into loan values(2001,'Akurdi',2000);

insert into loan values(2002, 'Nigadi', 1200);

insert into loan values(2003,'Akurdi',1400);

insert into loan values(2004, 'Wakad', 1350);

insert into loan values(2005, 'Chinchwad', 1490);

insert into loan values(2006,'Akurdi',12300);

insert into loan values(2007,'Akurdi',14000);

select * from loan;

	loan_no	branch_name	amount
•	2001	Akurdi	2000
	2002	Nigadi	1200
	2003	Akurdi	1400
	2004	Wakad	1350
	2005	Chinchwad	1490
	2006	Akurdi	12300
	2007	Akurdi	14000
	NULL	NULL	NULL

create table customer(cust_name varchar(20) primary key, cust_street varchar(20), cust_city varchar(20));

insert into customer values('Rutuja','JM road','Pune'); insert

into customer values('Alka','Senapati road','Pune');

insert into customer values('Samiksha', 'Savedi road', 'PCMC');

into customer values('Mahima','Pipeline road','PCMC

insert into customer values('Ayushi','FC road','Pune');

insert into customer values('Priti','Camp road','PCMC');

select * from customer

	cust_name	cust_street	cust_city
١	Alka	Senapati road	Pune
	Ayushi	FC road	Pune
	Mahima	Pipeline road	PCMC
	Priti	Camp road	PCMC
	Rutuja	JM road	Pune
	Samiksha	Savedi road	PCMC
	Trupti	JLakshmi road	Pune
	NULL	NULL	NULL

create table depositor(cust_name varchar(20), acc_no integer(10), constraint FK_1 foreign key(cust_name) references customer(cust_name) on delete cascade, constraint FK_2 foreign key (acc_no) references account(acc_no) on delete cascade);

insert into depositor values('Rutuja',1005);

insert into depositor values('Trupti',1002); insert

into depositor values('Samiksha',1004); select *

from depositor;

	cust_name	acc_no
•	Trupti	1002
	Rutuja	1005
	Samiksha	1004

create table borrower(cust_name varchar(20), loan_no integer(10), constraint FK_3 foreign key (cust_name) references customer(cust_name) on delete cascade, constraint FK_4 foreign key (loan_no) references loan(loan_no) on delete cascade);

insert into borrower values('Mahima',2005);

insert into borrower values('Trupti',2002);

insert into borrower values('Rutuja',2004);

insert into borrower values('Ayushi',2006);

insert into borrower values('Priti',2007); select

* from borrower;

	cust_name	loan_no
•	Mahima	2005
	Trupti	2002
	Rutuja	2004
	Ayushi	2006
	Priti	2007

#cross join

select * from borrower b,loan l;

select * from borrower b cross join loan l;

1	cust name	loan no	loan_no	branch_na	amount
2	Priti	2007	_	Akurdi	2000
3	Ayushi	2006	2001	Akurdi	2000
4	Rutuja	2004	2001	Akurdi	2000
5	Trupti	2002	2001	Akurdi	2000
6	Mahima	2005	2001	Akurdi	2000
7	Priti	2007	2002	Nigadi	1200
8	Ayushi	2006	2002	Nigadi	1200
9	Rutuja	2004	2002	Nigadi	1200
10	Trupti	2002	2002	Nigadi	1200
11	Mahima	2005	2002	Nigadi	1200
12	Priti	2007	2003	Akurdi	1400
13	Ayushi	2006	2003	Akurdi	1400
14	Rutuja	2004	2003	Akurdi	1400
15	Trupti	2002	2003	Akurdi	1400
16	Mahima	2005	2003	Akurdi	1400
17	Priti	2007	2004	Wakad	1350
18	Ayushi	2006	2004	Wakad	1350
19	Rutuja	2004	2004	Wakad	1350

#Natural join

select * from borrower b,loan l where b.loan_no = l.loan_no;

					1
	cust_name	loan_no	loan_no	branch_name	amount
•	Mahima	2005	2005	Chinchwad	1490
	Trupti	2002	2002	Nigadi	1200
	Rutuja	2004	2004	Wakad	1350
	Ayushi	2006	2006	Akurdi	12300
	Priti	2007	2007	Akurdi	14000

select b.cust_name, l.loan_no, l.amount from borrower b, loan l where b.loan_no = l.loan_no;

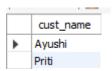
	_		
	cust_name	loan_no	amount
•	Mahima	2005	1490
	Trupti	2002	1200
	Rutuja	2004	1350
	Ayushi	2006	12300
	Priti	2007	14000

#inner join

select b.cust_name, b.loan_no, l.amount from borrower b inner join loan l on b.loan_no=l.loan_no;

	cust_name	loan_no	amount
•	Mahima	2005	1490
	Trupti	2002	1200
	Rutuja	2004	1350
	Ayushi	2006	12300
	Priti	2007	14000

select b.cust_name from borrower b inner join loan l on b.loan_no=l.loan_no where l.branch_name='Akurdi' order by b.cust_name;

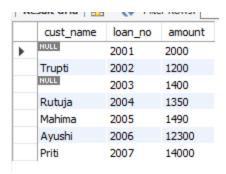


select branch_name, count(branch_name) from account a inner join depositor d on a.acc_no=d.acc_no group by branch_name;

	branch_name	count(branch_name)
•	Nigadi	1
	Wakad	1
	Akurdi	1

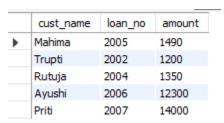
right outer join

select b.cust_name,l.loan_no, l.amount from borrower b right join loan l on b.loan_no=l.loan_no;



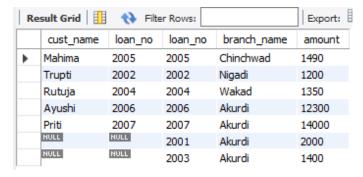
#left outer join

select b.cust_name, l.loan_no,l.amount from borrower b left join loan l on b.loan_no=l.loan_no;



#full join

select * from borrower b left join loan l on b.loan_no=l.loan_no union select * from borrower b right join loan l on b.loan_no=l.loan_no;



EXPERIMENT NO:06

Samarth Hanji TE59

create database library;

use library;

create table borrower(Roll_no int primary key, name varchar(20), Date_of_issue Date, Name of book varchar(20), Status char(20));

insert into borrower values(1, 'abt','2025-09-01','SEPM','I');

insert into borrower values(2, 'xyz','2025-08-17','OOP','I');

insert into borrower values(3, 'pqr','2025-06-29','DBMS','I');

insert into borrower values(4, 'def','2025-08-30','DSA','I');

insert into borrower values(5, 'lmn','2025-09-15','ADS','I');

create table fine(Roll_no int(10),foreign key(Roll_no) references borrower(Roll_no), Return_Date Date, Amount int(10));

select * from borrower;

	Roll_no	name	Date_of_issue	Name_of_book	Status
•	1	abt	2025-09-01	SEPM	I
	2	xyz	2025-08-17	OOP	I
	3	pqr	2025-06-29	DBMS	I
	4	def	2025-08-30	DSA	I
	5	lmn	2025-09-15	ADS	I
	NULL	NULL	NULL	NULL	NULL

create table fine(Roll_no int(10),foreign key(Roll_no) references borrower(Roll_no), Return Date Date, Amount int(10));

delimiter \$

create procedure calc_fine_lib(in roll int)

begin

declare fine1 int;

declare noofdays int;

declare issuedate date;

declare exit handler for sqlexception select 'create table definition';

```
select Date of issue into issuedate from borrower where Roll no=roll;
select datediff(curdate(),issuedate) into noofdays;
if noofdays>15 and noofdays<=30 then
set fine1=noofdays*5;
insert into fine values(roll,curdate(),fine1);
elseif noofdays>30 then
set fine1=((noofdays-30)*50) + 30*5;
insert into fine values(roll,curdate(),fine1);
else
insert into fine values(roll,curdate(),0);
end if;
update borrower set status='R' where Roll_no=roll;
end$
delimiter;
call calc_fine_lib(1);
call calc_fine_lib(2);
call calc_fine_lib(3);
call calc_fine_lib(4);
call calc_fine_lib(5);
```

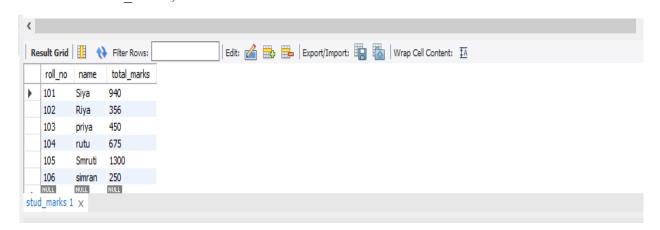
select * from fine;

	Roll_no	Return_Date	Amount
•	1	2025-09-17	80
	2	2025-09-17	200
	3	2025-09-17	2650
	4	2025-09-17	90
	5	2025-09-17	0

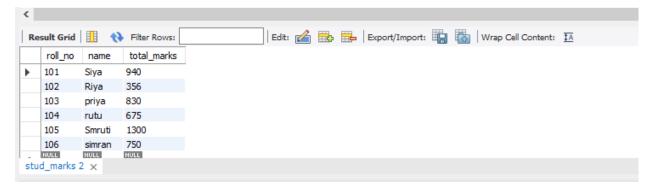
EXPERIMENT NO.8

Samarth Hanji TE59

create database exam;
use exam;
create table stud_marks(roll_no int primary key, name char(10),total_marks int);
insert into stud_marks values(101,'Siya',940);
insert into stud_marks values(102,'Riya',356);
insert into stud_marks values(103,'priya',450);
insert into stud_marks values(104,'rutu',675);
insert into stud_marks values(105,'Smruti',1300);
insert into stud_marks values(106,'simran',250);
select*from stud_marks;



update stud_marks SET total_marks=830 WHERE roll_no=103; update stud_marks SET total_marks=750 WHERE roll_no=106;



create table result1(roll_no int, name char(30),class char(50));

```
delimiter $$
create procedure proc grade1(in marks int, out class char(50))
begin
if marks<=1500 and marks>=990 then set class='DISTINCTION';
end if;
if marks<=989 and marks>=900 then set class='FIRST CLASS';
end if:
if marks<=899 and marks>=825 then set class='HIGHER SECOND CLASS';
end if:
if marks<=824 and marks>=750 then set class='SECOND CLASS';
end if;
if marks<=749 and marks>=650 then set class='PASS CLASS';
end if:
if marks < 650 then set class='FAIL';
end if;
end $
delimiter;
delimiter $$
create function find result1(roll in int) returns int deterministic
begin
declare fmarks int;
declare grade char(10);
declare stud name char(10);
select stud marks.total marks, stud marks.name into fmarks, stud name from
stud marks where stud marks.roll no=roll in;
call proc grade1(fmarks,@grade);
insert into result1 values(roll in,stud name,@grade);
```

```
return roll_in;
end $
delimiter;
select find_result1(105);
select*from result1;
select find_result1(101);
select*from result1;
select find_result1(102);
select*from result1;
select find_result1(103);
select*from result1;
select find_result1(104);
select*from result1;
select find_result1(106);
select*from result1;
                                              Export: Wrap Cell Content: 1A
  roll_no
                     dass
             name
     105
             Smruti
                    DISTINCTION
                    FIRST CLASS
     101
             Siya
     102
             Riya
                    FAIL
     103
             priya
                    HIGHER SECOND CLASS
     104
                    PASS CLASS
             rutu
     106
             simran
                    SECOND CLASS
  result1 14 ×
```

EXPERIMENT NO.9

Samarth Hanji TE59

```
create database library7;
use library7;
create table lib audit(bookid int, bookname varchar(20),price int);
create table lib audit record(bookid int, bookname varchar(20),price int);
show tables;
                                       Export: Wrap Cell Content: IA
 Result Grid | Filter Rows:
    Tables_in_library7
   lib_audit
   lib_audit_record
insert into lib audit values(1,'dbms',200);
insert into lib audit values(2,'eft',300);
insert into lib audit values(3,'mc',100);
select *from lib audit;
                                               Export: Wrap Cell Content: 1A
  Result Grid
                 Filter Rows:
             bookname
                        price
             dbms
                       200
                       300
     2
             eft
     3
                       100
delimiter $
create trigger before delete lib audit before delete on lib audit for each row begin
insert into lib audit record values(old.bookid,old.bookname,old.price);
end $
delimiter;
select*from lib audit record;
set SQL SAFE UPDATES =0;
```

delete from lib_audit where bookid=3;



insert into lib audit values (4,'CS',350);

delete from lib audit where bookname='CS';

select*from lib audit record;



#update

delimiter \$

create trigger before_update_lib_audit before update on lib_audit for each row begin insert into lib_audit_record values(old.bookid,old.bookname,old.price);

end \$

delimiter;

update lib_audit set bookname ='SS' where bookid=1;

select *from lib_audit;

select*from lib_audit_record;

