**DATE:** 

# IMPLEMENT DDL COMMAND

AIM: To implement DCL command

#### **PROGRAM CODE:**

mysql> create database S1\_MCA; Query OK, 1 row affected (0.12 sec)

mysql> use S1\_MCA;

Database changed

mysql> create table student(stud\_id integer(10),stud\_name varchar(20),class varchar(20),course varchar(10));

Query OK, 0 rows affected (1.43 sec)

mysql> desc student;

Field	Type +				Default	
stud id	int(10)		YES	i	NULL	i
stud name	varchar(20)	1	YES	j	NULL	ĺ
class	varchar(20)	İ	YES	ĺ	NULL	ĺ
course	varchar(10)	İ	YES	i	NULL	ĺ

mysql> alter table student modify stud\_name varchar(25);

Query OK, 0 rows affected (0.11 sec) Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student add(dept varchar(10));

Query OK, 0 rows affected (0.91 sec) Records: 0 Duplicates: 0 Warnings: 0

#### mysql> desc student;

Field	Туре	1	NULL	!	Key	1	Default	EXTra
stud id	int(10)	1	YES	i		i	NULL	
stud name	varchar(25)	i	YES	i		i	NULL	
class	varchar(20)			i		Î	NULL	
course	varchar(10)	İ	YES	İ		Ĺ	NULL	
dept	varchar(10)	İ	YES	i		İ	NULL	

mysql> alter table student drop course; Query OK, 0 rows affected (0.23 sec)

Records: 0 Duplicates: 0 Warnings: 0

#### mysql> desc student;

+		CHRONICAL LAND DATE OF THE		
		++	+	
nt(10)	YES	1 1	NULL	i i
archar(25)	YES	ĺĺ	NULL	i i
		i í	NULL	
		i i	NULL I	
,	archar(25)   archar(20)	nt(10)   YES archar(25)   YES archar(20)   YES archar(10)   YES	archar(25)   YES     archar(20)   YES	archar(25)   YES     NULL   archar(20)   YES     NULL

mysql> truncate table student;

Query OK, 0 rows affected (0.20 sec)

mysql> select \* from student;

Empty set (0.10 sec)

mysql> alter table student rename to student1;

Query OK, 0 rows affected (0.21 sec)

# mysql> desc student1;

			7	•	Extra
++-		+	-+	+	-++
stud_id	int(10)	YES	1	NULL	1 1
stud_name	varchar(25)	YES	f	NULL	1 1
class	varchar(20)	YES	İ	NULL	i i
dept	varchar(10)	YES	İ	NULL	i i

mysql> drop table student1; Query OK, 0 rows affected (0.12 sec)

**DATE:** 

# IMPLEMENT DML COMMAND

AIM:To implement DML command.

#### **PROGRAM:**

mysql> create table employee(emp\_id varchar(20),emp\_name varchar(20),emp\_add varchar(20));

Query OK, 0 rows affected (0.09 sec)

mysql> desc employee;

Field	Type +		Null	1	Key		Default	Extra
emp_id	varchar(20)	i	YES	İ		ĺ	NULL	
emp_name	varchar(20)	1	YES	1			NULL	
emp add	varchar(20)	1	YES	1		1	NULL	

mysql> insert into employee(emp\_id,emp\_name,emp\_add) values('101','reebath','infopark'),('102','nafle','technopark');

Query OK, 2 rows affected (0.06 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from employee;

emp_id	emp_name	emp_add
	reebath nafle	infopark     technopark
2 rows in	set (0.00	++ sec)

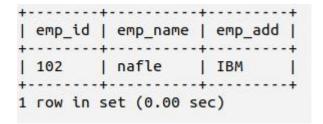
mysql> update employee set emp\_add='IBM' where emp\_id='102'; Query OK, 1 row affected (0.17 sec) Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from employee;

emp_ta	emp_name		emp_add	1
	+	+		+
101	reebath	1	infopark	1
102	nafle	1	IBM	1
	101	101   reebath	101   reebath	

mysql> delete from employee where emp\_id='101'; Query OK, 1 row affected (0.08 sec)

mysql> select \* from employee;



**DATE:** 

# IMPLEMENT TCL COMMAND

**AIM:**To implement TCL command.

#### **PROGRAM CODE:**

mysql> create table student(id varchar(20),name varchar(20),class varchar(20)); Query OK, 0 rows affected (0.06 sec)

mysql> desc student;

Field	Туре	1	Null	1	Key	Default	Extra
l id	varchar(20)	i	YES	Ī	1	NULL	
	varchar(20)			i		NULL	
class	varchar(20)	Ì	YES	Ì	ĺ	NULL	

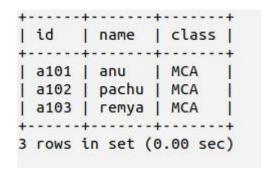
mysql> insert into

student(id,name,class)values('a101','anu','MCA'),('a102','pachu','MCA'),('a103','remya','MCA');

Query OK, 3 rows affected (0.05 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from student;



mysql> start transaction;

Query OK, 0 rows affected (0.06 sec)

mysql> savepoint A;

Query OK, 0 rows affected (0.13 sec)

mysql> update student set id='a106' where name='remya';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

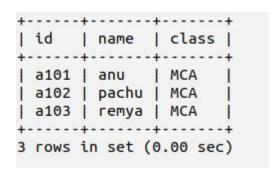
mysql> select \* from student;

a101   anu	•	id	name		- 97
a102   pachu   MCA					- + 
La106   remva   MCA					i
die lichyd llen	1	a106	гетуа	MCA	1
	3	rows	in set (	0.00 sed	2

mysql> rollback to savepoint A;

Query OK, 0 rows affected (0.09 sec)

mysql> select \* from student;



mysql> update student set name='reebath' where id='a102';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

# mysql> select \* from student;

1	id	name	class	1
+ -		+	+	+
1	a101	anu	MCA	1
1	a102	reebath	MCA	1
1	a103	гемуа	MCA	1

# mysql> commit;

Query OK, 0 rows affected (0.06 sec)

mysql> select \* from student;

	1		class
+-			++
1	a101	anu	MCA
1	a102	reebath	MCA
Ĺ	a103	remya	MCA

**DATE:** 

# IMPLEMENT PRIMARY KEY AND FOREIGN KEY

**AIM:**To implement primary key and foreign key.

#### **PROGRAM CODE:**

mysql> create table sailor(sid integer(10) primary key,sname varchar(20),rating integer(10),age integer(10));

Query OK, 0 rows affected (0.65 sec)

mysql> insert into sailor(sid,sname,rating,age) values(11,'binu',1000,20),(12,'sanu',10101,21);

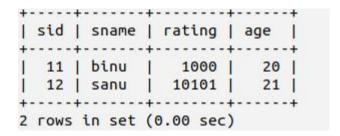
Query OK, 2 rows affected (0.11 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> desc sailor;

Field	Type +	- 2	-	Default	
	int(10)	NO			i i
sname	varchar(20)	YES		NULL	1 1
rating	int(10)	YES	1	NULL	1
age	int(10)	YES	ĺ	NULL	i i

mysql> select \* from sailor;



mysql> insert into sailor values(12, banu', 1011, 22);

ERROR 1062 (23000): Duplicate entry '12' for key 'PRIMARY'

mysql> create table reserve(ssid integer(10),day varchar(20),foreign key(ssid) references sailor(sid));

Query OK, 0 rows affected (0.23 sec)

mysql> desc reserve;

mysql> insert into reserve(ssid,day) values(11,'2-0ct-98'),(12,'4-oct-98');

Query OK, 2 rows affected (0.08 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from reserve;

**DATE:** 

#### **IMPLEMENT VIEW**

**AIM:**To implement view.

#### **PROGRAMCODE:**

mysql> create table fixed\_deposite(fdno varchar(10) primary key,name varchar(20),nominyname varchar(20));

Query OK, 0 rows affected (0.25 sec)

mysql> desc fixed\_deposite;

		133		8	 3	Default   Extra
	varchar(10)	33		35		15
name	varchar(20)	1	YES	1	1	NULL
l nominyname	varchar(20)	Î	YES	1	1	NULL I I

mysql> insert into fixed\_deposite(fdno,name,nominyname) values('a101','sanu','pathu'),('a102','vandana','siva'),('a103','arun','appu');

Query OK, 3 rows affected (0.11 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from fixed\_deposite;

++	+
l a101   sanu   nathu	
didi   balla   pacila	
a102   vandana   siva	1
a103   arun   appu	Î
+	+

mysql> create view fixed\_deposite\_copy as select \* from fixed\_deposite; Query OK, 0 rows affected (0.07 sec) mysql> select \* from fixed\_deposite\_copy;

a101   sanu   pathu     a102   vandana   siva
a102   vandana   siva
a103   arun   appu

 $mysql> create\ view\ fixed\_deposite\_car\ as\ select\ name, nominy name\ from\ fixed\_deposite;$  Query OK, 0 rows affected (0.15 sec)

mysql> select \* from fixed\_deposite\_car;

Ī	name	nominynar	ne
+	sanu vandana		1
+ 3	arun rows in	appu +set (0.02 s	l + sec)

# PROGRAM NO: 6 DATE:

# IMPLEMENT SEQUENCE

AIM: To implement sequence.

# **PROGRAM CODE:**

mysql> create table employe2(empno integer(5)primary key auto\_increment,name varchar(20),salary integer(5));

Query OK, 0 rows affected (0.65 sec)

mysql> desc employe2;

Field			Default	Extra
				auto_increment
name	varchar(20)	YES	NULL	
l salary	int(5)	YES	NULL	

mysql> select \* from employe2;

1	empno	name	salary	. !
i	1	arun	30000	i
1	2	achu	40000	ĺ
1	3	arjun	50000	1
1	4	anu	60000	1
1	5	allu	20000	1

**DATE:** 

# IMPLEMENT AGGREGATE FUNCTION

AIM: To implement Aggregate functions.

#### **PROGRAM CODE:**

mysql> create table acc\_master(acc\_no integer(10),acc\_type varchar(20),opendate DATE,curr\_balance integer(10));

Query OK, 0 rows affected (0.47 sec)

mysql> desc acc\_master;

Field	Type +	1	Null		Key	1	Default	Extra
acc_no	int(10)	i	YES	1		1	NULL	
acc_type	varchar(20)	1	YES	1		1	NULL	ĺ
opendate	date	1	YES	Ì		1	NULL	ĺ
curr balance	int(10)	Ì	YES	ı		i	NULL	į

mysql> insert into acc\_master(acc\_no,acc\_type,opendate,curr\_balance) values(101,'savings','2009-10-12',4000),(102,'current','2009-10-13',5000),(103,'savings','2009-10-14',6000),(104,'current','2009-10-15',3000),(105,'current','2009-10-16',2000),(106,'savings','2009-10-17',1000);

Query OK, 6 rows affected (0.07 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> select \* from acc\_master;

```
| acc_no | acc_type | opendate | curr_balance |
| 101 | savings | 2009-10-12 | 4000 |
| 102 | current | 2009-10-13 | 5000 |
| 103 | savings | 2009-10-14 | 6000 |
| 104 | current | 2009-10-15 | 3000 |
| 105 | current | 2009-10-16 | 2000 |
| 106 | savings | 2009-10-17 | 1000 |
```

mysql> select avg(curr\_balance)from acc\_master;

mysql> select min(acc\_no)from acc\_master;

mysql> select max(curr\_balance)from acc\_master;

mysql> select sum(curr\_balance)from acc\_master;

mysql> select count(acc\_no) from acc\_master;

**DATE:** 

# **IMPLEMENT NUMERIC FUNCTIONS**

**AIM:**To implement numeric functions

#### **PROGRAM CODE:**

mysql> select abs(-20) from dual;

mysql> select power(5,2) from dual;

mysql> select sqrt(81) from dual;

mysql> select round(15.19,1) from dual;

mysql> select greatest(2,3,5) from dual;

mysql> select least (2,10,6) from dual;

mysql> select mod(12,4) from dual;

mysql> select truncate(128.345,2)from dual;

mysql> select floor(128.345) from dual;

mysql> select ceil(128.345) from dual;

**DATE:** 

# IMPLEMENT STRING HANDLING FUNCTIONS

**AIM:**To implement string handling functions.

#### **PROGRAM:**

mysql> create table student2(name varchar(20),rollno integer(5)primary key auto\_increment); Query OK, 0 rows affected (0.81 sec)

mysql> desc student2;

Contraction of the Contraction o	varchar(20)		 	+	NULL	· · · · · · · · · · · · · · · · · · ·
		•	PRI	i		auto increment

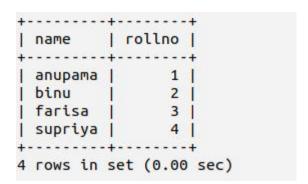
mysql> insert into student2(name,rollno)

values('anupama', NULL), ('binu', NULL), ('farisa', NULL), ('supriya', NULL);

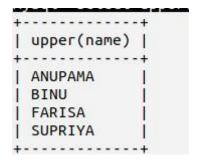
Query OK, 4 rows affected (0.07 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from student2



mysql> select upper(name) from student2;



mysql> select upper(name) from student2 where name='farisa';

mysql> select lower(name)from student2 where name='binu';

mysql> select lower(name) from student2;

mysql> select substr(name,4,6)from student2 where name ='farisa';

mysql> select ascii('a') from dual;

```
+----+
| ascii('a') |
+----+
| 97 |
+----+
1 row in set (0.00 sec)
```

mysql> select ascii('A')from dual;

```
+-----+
| ascii('A') |
+-----+
| 65 |
+-----+
1 row in set (0.00 sec)
```

mysql> select length(name)from student2 where name='supriya';

```
+----+
| length(name) |
+-----+
| 7 |
+-----+
1 row in set (0.00 sec)
```

mysql> select trim(trailing 'a' from name)from student2;

```
trim(trailing 'a' from name) |
anupam |
binu |
faris |
supriy |
trim(trailing 'a' from name) |
trim(trailing 'a' from name) |
trim(trailing 'a' from name) |
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trim(trailing 'a' from name) |
trim(trailing 'a' from name)
```

mysql> select trim(trailing 'a' from name) from student2 where name='supriya';

mysql> select bin(12)from dual;

```
+----+
| bin(12) |
+-----+
| 1100 |
+-----+
1 row in set (0.00 sec)
```

mysql> select bit\_length('text')from dual;

mysql> select rpad(name,10,'?') from student2 where name='anupama';

mysql> select strcmp('anuja','jini');

**DATE:** 

#### IMPLEMENT DATE FUNCTIONS

AIM: To implement Date functions.

#### **PROGRAM:**

mysql> select sysdate();

mysql> select date\_add('1998-01-02',INTERVAL 31 DAY);

```
| date_add('1998-01-02',INTERVAL 31 DAY) |
| 1998-02-02 |
| row in set (0.00 sec)
```

mysql> select curdate();

#### mysql> select curtime();

mysql> select date\_format('1997-10-04 22:23:00','%W % M %Y');

mysql> select dayname('2019-08-07');

mysql> select monthname('2019-08-07');

**DATE:** 

# **IMPLEMENT JOIN OPERATION**

**AIM:** To implement Join operations.

# **PROGRAM CODE**

mysql> create table loan(branch\_name varchar(20),loan\_number varchar(20),amount integer(10));

Query OK, 0 rows affected (0.18 sec)

mysql> desc loan;

Field	Type	1	Null	1	Key	Default	1	Extra
branch name	varchar(20)	Ī	YES	ï		NULL	ī	
loan_number	varchar(20)	Ì	YES	Î	j	NULL	Î	
amount	int(10)	1	YES	1	İ	NULL	1	

mysql> insert into loan(branch\_name,loan\_number,amount) values('edappally','l\_150',50000),('kochi','l\_250',10000),('palarivattom','l\_100',25000);

Query OK, 3 rows affected (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from loan;

branch_name	loan_number	amount	1
edappally	l_150	50000	+
kochi	1_250	10000	Ì
palarivattom	l 100	25000	1

```
create table borrower(customer_name varchar(20),loan_number varchar(20)); Query OK, 0 rows affected (0.19 sec)
```

mysql> desc borrower;

mysql> insert into borrower values('jojn','l\_50');

Query OK, 1 row affected (0.03 sec)

mysql> insert into borrower values('hari','l\_250');

Query OK, 1 row affected (0.03 sec)

mysql> insert into borrower values('smitha','l\_100');

Query OK, 1 row affected (0.03 sec)

mysql> select \* from borrower;

customer_name	loan_number	1
+	+	-+
jojn	l 50	1
hari	l 250	i
smitha	l 100	i

mysql> select loan.branch\_name,loan.amount,borrower.customer\_name from loan inner join borrower where loan.loan\_number=borrower.loan\_number;

**DATE:** 

# IMPLEMENT SUBQUERY

AIM: To implement subquery

# **PROGRAM CODE**

mysql> create table sailors(sid integer(10),sname varchar(20),rating integer(10),age integer(2)); Query OK, 0 rows affected (1.60 sec)

mysql> desc sailors;

Field	1	Туре	1	Null	1	Key		Default   Ext	tra
sid	i	int(10)	i	YES	i		i	NULL	
sname	1	varchar(20)	Ĭ	YES	Ì		1	NULL	
rating	1	int(10)	Ì	YES	1		1	NULL	
age	1	int(2)	1	YES	1		1	NULL	

mysql> insert into

sailors(sid,sname,rating,age)values(22,'Dustin',7,45),(29,'Brutus',8,55),(31,'Lubber',1,33),(32,'An dy',8,25),(58,'Rusty',10,35);

Query OK, 5 rows affected (0.15 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from sailors;

+-	sid	Sildric	rating	age
i	22	Dustin	7	45
İ	29	Brutus	8	55
Ĺ	31	Lubber	1	33
ĺ	32	Andy	8	25
1	58	Rusty	10	35

mysql> create table reservers(sid integer(10),bid integer(10),day date); Query OK, 0 rows affected (0.18 sec)

#### mysql> desc reservers;

	Type			. 13		
sid					NULL	
bid	int(10)	YES	5	Ì	NULL	j i
day	date	I YES	s i	Ĺ	NULL	j j

mysql> insert into reservers(sid,bid,day) values(22,101,'1998-10-10'),(22,102,'1998-10-10'),(22,103,'1998-08-10'),(22,104,'1998-07-10'),(31,102,'1998-10-11'),(31,103,'1998-06-11'); Query OK, 6 rows affected (0.06 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> select \* from reservers;

22   101   1998-10-10   22   102   1998-10-10   22   103   1998-08-10   22   104   1998-07-10   31   102   1998-10-11   31   103   1998-06-11	sid	bid	day	1
22   103   1998-08-10   22   104   1998-07-10   31   102   1998-10-11	22	101	1998-10-10	i
22   104   1998-07-10   31   102   1998-10-11	22	102	1998-10-10	Í
31   102   1998-10-11	22	103	1998-08-10	Ì
	22	104	1998-07-10	Ì
31   103   1998-06-11	31	102	1998-10-11	1
	31	103	1998-06-11	1
	6 rows	in set	(0.00 sec)	

mysql> create table boats(bid integer(10),bname varchar(10),color varchar(10)); Query OK, 0 rows affected (0.58 sec) mysql> desc boats;

mysql> insert into boats(bid,bname,color)

values(101, 'interlake', 'blue'),(102, 'interlake', 'red'),(103, 'clipper', 'green'),(104, 'marine', 'red');

Query OK, 4 rows affected (0.12 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from boats;

bid	1	bname	color
101	i	interlake	blue
102	Ì	interlake	red
103	1	clipper	green
104	1	marine	red

mysql> select sailors.sname from sailors where sailors.sid in(select reservers.sid from reservers where reservers.bid = 103);

mysql> select sailors.sname from sailors where sailors.sid in

- -> (select reservers.sid from reservers where reservers.bid in
- -> (select boats.bid from boats where boats.color='red'));

mysql> select sailors.sname from sailors where sailors.sid not in

- -> (select reservers.sid from reservers where reservers.bid in
- -> (select boats.bid from boats where boats.color='red'));

**DATE:** 

#### IMPLEMENT GROUP BY CLAUSE

**AIM:**To implement group by clause.

# **PROGRAM CODE**

mysql> select sailors.rating,MIN(sailors.age) from sailors group by sailors.rating;

1	ating	MIN(sailors.age)
	1	33
1	7	45
ĺ	8	25
ĺ	10	35

mysql> select sailors.rating,MIN(sailors.age)from sailors where sailors.age>=18 group by sailors.rating having count(\*)>1;

**DATE:** 

# IMPLEMENT SORTING OF DATA

**AIM:**To implement sorting of data.

#### **PROGRAM CODE**

mysql> create table deposite(accno integer(10),cname varchar(10),bname varchar(10),amt integer(10));

Query OK, 0 rows affected (0.21 sec)

mysql> desc deposite;

Field	Type	8		- 30		Default	
A CONTRACTOR OF THE PROPERTY O	int(10)	Œ	YES	1		NULL	
cname	varchar(10)	1	YES	1	1	NULL	
bname	varchar(10)	1	YES	1	1	NULL	l
l amt l	int(10)	Ì	YES	Ì	Ì	NULL	į

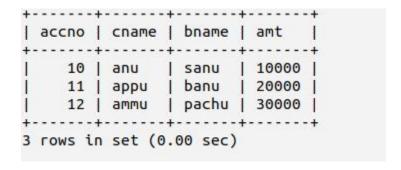
mysql> insert into

deposite(accno,cname,bname,amt)values(10,'anu','sanu',10000),(11,'appu','banu',20000),(12,'ammu','pachu',30000);

Query OK, 3 rows affected (0.18 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from deposite;



mysql> select \* from deposite order by cname desc;

+	+		bname	anc
	11	арри	banu	20000
1 2	10	anu	sanu	10000
i	12	ammu	pachu	30000

mysql> select \* from deposite order by cname;

+-	and the same of th		bname +	
1	12	ammu	pachu	30000
ĺ	10	anu	sanu	10000
Ì	11	арри	banu	20000

**DATE:** 

# IMPLEMENT SET OPERATION

AIM:To implement set operations

#### **PROGRAM CODE**

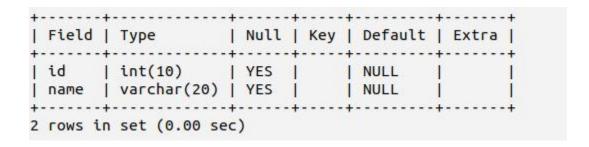
mysql> create table first(id integer(10),name varchar(20)); Query OK, 0 rows affected (0.21 sec)

mysql> desc first;

Field	-93	7.7	- 15		3 7 113	Default	
id	İ	int(10) varchar(20)	i	YES	l i	NULL NULL	

mysql> create table second(id integer(10),name varchar(20)); Query OK, 0 rows affected (0.16 sec)

mysql> desc second;

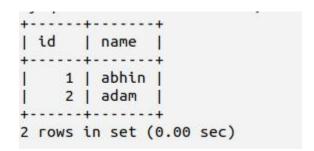


mysql> insert into first(id,name) values(1,'abhin'),(2,'adam');

Query OK, 2 rows affected (0.08 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from first;



mysql> insert into second(id,name) values(2,'adam'),(2,'chester');

Query OK, 2 rows affected (0.06 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from second;

mysql> select \* from first union select \* from second;

mysql> select \* from first union all select \* from second;

id		name
+		++
	1	abhin
	2	adam
ĺ	2	adam
	2	chester
+		++

**PROGRAM NO: 16** 

**DATE:** 

# IMPLEMENT USER DEFINED FUNCTIONS

**AIM:**To implement user defined functions.

## **PROGRAM CODE**

#### PROGRAM TO ADD TWO NUMBERS

mysql> delimiter \$\$
mysql> create function addtwo(a int,b int)
 -> returns int deterministic
 -> begin
 -> declare c int;
 -> set c=(a+b);
 -> return c;

Query OK, 0 rows affected (0.82 sec)

mysql> delimiter;

-> end \$\$

mysql> select addtwo(2,3);

#### PROGRAM TO FIND AREA OF CIRCLE

1 row in set (0.48 sec)

PROGRAM NO: 17

**DATE:** 

## **IMPLEMENT TRIGGERS**

AIM: To implement triggers.

#### PROGRAM CODE

mysql> create table customer1(acc\_no integer(10) primary key,cust\_name varchar(20),avail\_balance decimal(10,2));

Query OK, 0 rows affected (4.63 sec)

mysql> desc customer1;

Field		Ž	- 1	157	Default	(A)
	int(10)	NO			NULL	
cust_name	varchar(20)	YES	1		NULL	1 1
l avail balance	decimal(10,2)	YES	Ĺ		NULL	1 1

mysql> insert into customer1 values(1000, 'fanny', 7000);

Query OK, 1 row affected (0.21 sec)

mysql> insert into customer1 values(1,'jhon',7);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from customer1;

mysql> create table mini\_statement(acc\_no integer(10),avail\_balance decimal(10,2),foreign key(acc\_no)references customer1(acc\_no)on delete cascade);

Query OK, 0 rows affected (0.47 sec)

mysql> desc mini\_statement;

				Default	
+   acc_no	int(10)	· 7			
avail balance	decimal(10,2)	YES	ĺ	NULL	i ii

mysql> delimiter //

mysql> create trigger update\_cus

- -> before update on customer1 for each row
- -> begin
- -> insert into mini\_statement values (old.acc\_no,old.avail\_balance);
- -> end;
- ->//

Query OK, 0 rows affected (0.34 sec)

mysql> delimiter;

mysql> update customer1 set avail\_balance=avail\_balance+3000 where acc\_no=1000;

Query OK, 1 row affected (0.28 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from customer1;

mysql> update customer1 set avail\_balance=avail\_balance+3000 where acc\_no=1;

Query OK, 1 row affected (0.11 sec)

Rows matched: 1 Changed: 1 Warnings: 0

### mysql> select \* from customer1;

#### mysql> select \* from mini\_statement;

PROGRAM NO: 18

**DATE:** 

## **IMPLEMENT CURSOR**

**AIM:** To implement cursor

### **PROGRAM CODE**

mysql> create table 1(id integer(10),name varchar(10),department varchar(10)); Query OK, 0 rows affected (0.17 sec)

mysql> desc table1;

		1		377		Default	
	int(10)			1		NULL	
name	varchar(10)	Í	YES	İ	ĺ	NULL	
	varchar(10)			İ	ĺ	NULL	

mysql> insert into table1 values(1,'anu','mca');

Query OK, 1 row affected (0.09 sec)

mysql> insert into table1 values(2,'sanu','mba');

Query OK, 1 row affected (0.00 sec)

mysql> insert into table1 values(3, 'shanu', 'mba');

Query OK, 1 row affected (0.03 sec)

mysql> select \* from table1;

id		name	department
	1	anu	mca
ĺ	2	sanu	mba
i	3	shanu	mba I

```
mysql> delimiter //
mysql> create procedure list_name2(inout name_list varchar(200))
  -> begin
  -> declare is_done integer default 0;
  -> declare s_name varchar(100)default "";
  -> declare scursor cursor for
  -> select name from table1;
  -> declare continue handler for not found set is_done =1;
  -> open scursor;
  -> get_list:loop
  -> fetch scursor into s_name;
  -> if is_done=1 then leave get_list;
  -> end if;
  -> set name_list=concat(s_name,";",name_list);
  -> end loop get_list;
  -> close scursor;
  -> end;
  ->//
Query OK, 0 rows affected (0.25 sec)
mysql> delimiter //
mysql> set @name_list=""//
Query OK, 0 rows affected (0.07 sec)
mysql> call list_name2(@name_list)//
Query OK, 0 rows affected (0.17 sec)
mysql> select @name_list//
| @name_list
| shanu; sanu; anu; |
1 row in set (0.00 sec)
```

PROGRAM NO: 19 DATE:

# JOB SEARCH SYSTEM (SAMPLE PROJECT)

**AIM:**Sample projects

### **PROGRAM CODE**

mysql> create table WORKER(W\_ID int primary key,W\_NAME varchar(50) not null,ADDRESS varchar(50) not null,LOCATION varchar(30) not null,EMAIL varchar(30) not null,PASSWORD varchar(20) not null,TYPE varchar(30) not null,PHNO numeric(10) not null,WORKING\_AND\_OTHER\_DETAILS varchar(100) not null);

Query OK, 0 rows affected (0.20 sec)

mysql> desc WORKER;

Field	+	Null	Key	Default	Extra
W_ID   W_NAME   ADDRESS   LOCATION   EMAIL   PASSWORD   TYPE   PHNO   WORKING_AND_OTHER_DETAILS	int   varchar(50)   varchar(50)   varchar(30)   varchar(30)   varchar(20)   varchar(30)   decimal(10,0)   varchar(100)	NO   NO   NO   NO   NO   NO   NO   NO	PRI	NULL NULL NULL NULL NULL NULL NULL NULL	

mysql> Create table USER(U\_ID int primary key,U\_NAME int varchar(50) not null, ADDRESS varchar(50) not null,LOCATION varchar(50) not null,EMAIL varchar(30) not null,PASSWORD varchar(20) not null,PHNO numeric(10) not null);

Query OK, 0 rows affected (0.13 sec)

mysql> desc USER;

Field	Туре	Null	Key	Default	Extra
U_ID U_NAME ADDRESS LOCATION EMAIL PASSWORD PHNO	int   varchar(50)   varchar(50)   varchar(30)   varchar(30)   varchar(20)   decimal(10,0)	NO   NO   NO   NO   NO   NO	PRI	NULL NULL NULL NULL NULL NULL	

mysql> create table LOGIN(ID int primary key,EMAIL varchar(50) not null,PASSWORD varchar(20) not null,TYPE varchar(20) not null);

Query OK, 0 rows affected (0.13 sec) mysql> desc LOGIN;

Field	Туре	Null	Key	Default	Extra
ID     EMAIL     PASSWORD     TYPE	int varchar(50) varchar(20) varchar(20)	NO NO NO NO	PRI	NULL NULL NULL NULL	

mysql> create table REQUEST(R\_ID int primary key,U\_NAME varchar(50) not null,W\_NAME varchar(50) not null,STATUS varchar(20),U\_ID int references USER(U\_ID),W\_ID INT references WORKER(W\_ID));

Query OK, 0 rows affected (0.11 sec)

mysql> desc REQUEST;

		+	+	+
Field   Type	Null	Key	Default	Extra
R_ID   int   U_NAME   varchar(   W_NAME   varchar(   STATUS   varchar(   U_ID   int   W ID   int	50) NO	PRI	NULL   NULL   NULL   NULL   NULL   NULL	

mysql>create table FEEDBACK(F\_ID int primary key,W\_NAME varchar(50) not null,U\_NAME varchar(50) not null,FEEDBACK varchar(30) not null,W\_ID int references WORKER(W\_ID),U\_ID int references USER(U\_ID));

Query OK, 0 rows affected (0.11 sec)

mysql> desc FEEDBACK;

Field	Туре	Null	Key	Default	Extra
F_ID   W_NAME   U_NAME   FEEDBACK   W_ID   U_ID	int varchar(50) varchar(50) varchar(30) int int	NO     NO     NO     NO     YES     YES	PRI	NULL NULL NULL NULL NULL	

mysql>SelectWORKER.W\_ID,WORKER.W\_NAME,WORKER.LOCATION,WORKER.PHN O,FEEDBACK.F\_ID,FEEDBACK.W\_ID,FEEDBACK.U\_NAME,FEEDBACK.FEEDBACK from WORKER join FEEDBACK on WORKER.W\_ID=FEEDBACK.W\_ID;

W_ID	W_NAME	LOCATION	PHNO	F_ID	W_ID	U_NAME	FEEDBACK
204	Tony	vypin	8953108654	500	204	Arun	Good worker
209	Alex	thrikkakara	9021347654	501	209	Surya	Nice worker

mysql>selectUSER.U\_ID,USER.U\_NAME,USER.LOCATION,USER.PHNO,FEEDBACK.F\_I D,FEEDBACK.W\_ID,FEEDBACK.W\_NAME,FEEDBACK.FEEDBACK from USER join FEEDBACK on USER.U\_ID=FEEDBACK.U\_ID;

U_ID   U_NAME	LOCATION	PHNO	F_ID	W_ID	W_NAME	FEEDBACK
306   Surya	Thoppumpady   Pallimuk	9045634563	501	209	Alex	Good worker     Nice worker