

LAB-1

EXPIRIMENT: 1

- ✚ CREATE TABLE CUSTOMER (CNAME VARCHAR(15) PRIMARY KEY ,CITY VARCHAR(20) NOT NULL);
- ✚ CREATE TABLE BRANCH (BNAME VARCHAR(20) PRIMARY KEY,CITY VARCHAR(30) CHECK (CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);
- ✚ CREATE TABLE BORROW (LOANNO VARCHAR(8) PRIMARY KEY CHECK (LOANNO LIKE 'L%') ,CNAME VARCHAR(15),BNAME VARCHAR(20) ,AMOUNT FLOAT(8,2) NOT NULL CHECK (AMOUNT>0) , FOREIGN KEY (CNAME) REFERENCES CUSTOMER(CNAME), FOREIGN KEY (BNAME) REFERENCES BRANCH(BNAME));
- ✚ CREATE TABLE DEPOSIT (ACTNO VARCHAR(5) CHECK (ACTNO LIKE 'D%') PRIMARY KEY,CNAME VARCHAR(15),BNAME VARCHAR(20) ,AMOUNT FLOAT(8,2) CHECK (AMOUNT>0) NOT NULL, FOREIGN KEY (CNAME) REFERENCES CUSTOMER(CNAME), FOREIGN KEY (BNAME) REFERENCES BRANCH(BNAME));

- ✚ INSERT INTO CUSTOMER VALUES('ANIL','CALCUTTA');
- ✚ INSERT INTO CUSTOMER VALUES('SUNIL','DELHI');
- ✚ INSERT INTO CUSTOMER VALUES('MEHUL','BARODA');
- ✚ INSERT INTO CUSTOMER VALUES('MANDAR','PATNA');
- ✚ INSERT INTO CUSTOMER VALUES('MADHURI','NAGPUR');
- ✚ INSERT INTO CUSTOMER VALUES('PRAMOD','NAGPUR');
- ✚ INSERT INTO CUSTOMER VALUES('SANDIP','SURAT');
- ✚ INSERT INTO CUSTOMER VALUES('SHIVANI','BOMBAY');
- ✚ INSERT INTO CUSTOMER VALUES('KRANTI','BOMBAY');
- ✚ INSERT INTO CUSTOMER VALUES('NAREN','BOMBAY');

- ✚ INSERT INTO DEPOSIT VALUES ('D100','ANIL','VRCE',1000.00,'1995-03-01');
- ✚ INSERT INTO DEPOSIT VALUES ('D101','SUNIL','ANJNI',500.00,'1996-01-04');
- ✚ INSERT INTO DEPOSIT VALUES ('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-17');
- ✚ INSERT INTO DEPOSIT VALUES ('D104','MADHURI','CHANDNI',1200.00,'1995-12-17');
- ✚ INSERT INTO DEPOSIT VALUES ('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27');
- ✚ INSERT INTO DEPOSIT VALUES ('D106','SANDIP','ANDHERI',2000.00,'1996-03-31');
- ✚ INSERT INTO DEPOSIT VALUES ('D107','SHIVANI','VIRAR',1000.00,'1995-09-05');
- ✚ INSERT INTO DEPOSIT VALUES ('D108','KRANTI','NEHRU PLACE 50',5000.00,'1995-07-05');
- ✚ INSERT INTO DEPOSIT VALUES ('D109','MINU','WAI',7000.00,'1995-08-01');

- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('VRCE','NAGPUR');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('AJNI','NAGPUR');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('KAROLBAGH','DELHI');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('CHANDNI','DELHI');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('DHARAMPETH','NAGPUR');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('MG-ROAD','BANGALORE');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('ANDHERI','BOMBAY');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('NEHRU-PALACE','DELHI');
- ✚ INSERT INTO BRANCH(BNAME,CITY) VALUES ('POWAI','BOMBAY');

- ✚ INSERT INTO BORROW VALUES ('L201','ANIL','VRCE',1000.00);
- ✚ INSERT INTO BORROW VALUES ('L206','MEHUL','AJNI',5000.00);
- ✚ INSERT INTO BORROW VALUES ('L311','SUNIL','DHARAMPETH',3000.00);
- ✚ INSERT INTO BORROW VALUES ('L321','MADHURI','ANDHERI',2000.00);
- ✚ INSERT INTO BORROW VALUES ('L371','PRAMOD','VIRAR',8000.00);
- ✚ INSERT INTO BORROW VALUES ('L481','KRANTI','NEHRU PLACE',3000.00);

EXPERIMENT:2

1. SELECT * FROM DEPOSIT;

```
mysql> select * from DEPOSIT;
```

ACTNO	CNAME	BNAME	AMOUNT	ADATE
D100	ANIL	VRCE	1000.00	1995-03-01
D101	SUNIL	ANJNI	500.00	1996-01-04
D102	MEHUL	KAROLBAGH	3500.00	1995-11-17
D104	MADHURI	CHANDNI	1200.00	1995-12-17
D105	PRAMOD	MG ROAD	3000.00	1996-03-27
D106	SANDIP	ANDHERI	2000.00	1996-03-31
D107	SHIVANI	VIRAR	1000.00	1995-09-05
D108	KRANTI	NEHRU PLACE 50	5000.00	1995-07-05
D109	MINU	WAI	7000.00	1995-08-01

9 rows in set (0.00 sec)

2. SELECT * FROM BORROW;

```
mysql> select * from BORROW;
```

LOANNO	CNAME	BNAME	AMOUNT
L201	ANIL	VRCE	1000.00
L206	MEHUL	AJNI	5000.00
L311	SUNIL	DHARAMPETH	3000.00
L321	MADHURI	ANDHERI	2000.00
L371	PRAMOD	VIRAR	8000.00
L481	KRANTI	NEHRU PLACE	3000.00

6 rows in set (0.00 sec)

3. SELECT * FROM CUSTOMER;

```
mysql> select * from CUSTOMER  
-> ;
```

CNAME	CITY
ANIL	CALCUTTA
KRANTI	BOMBAY
MADHURI	NAGPUR
MANDAR	PATNA
MEHUL	BARODA
NAREN	BOMBAY
PRAMOD	NAGPUR
SANDIP	SURAT
SHIVANI	BOMBAY
SUNIL	DELHI

10 rows in set (0.00 sec)

4. SELECT * FROM BRANCH;

```
mysql> select * from BRANCH;
+-----+-----+
| BNAME      | CITY      |
+-----+-----+
| AJNI        | NAGPUR    |
| ANDHERI     | BOMBAY    |
| CHANDNI     | DELHI     |
| DHARAMPETH  | NAGPUR    |
| KAROLBAGH   | DELHI     |
| MG-ROAD     | BANGALORE |
| NEHRU-PALACE | DELHI     |
| POWAI       | BOMBAY    |
| VRCE        | NAGPUR    |
+-----+-----+
9 rows in set (0.00 sec)
```

5. SELECT ACTNO,AMOUNT FROM DEPOSIT;

```
mysql> SELECT ACTNO,AMOUNT FROM DEPOSIT;
+-----+-----+
| ACTNO | AMOUNT |
+-----+-----+
| D100  | 1000.00 |
| D101  | 500.00  |
| D102  | 3500.00 |
| D104  | 1200.00 |
| D105  | 3000.00 |
| D106  | 2000.00 |
| D107  | 1000.00 |
| D108  | 5000.00 |
| D109  | 7000.00 |
+-----+-----+
9 rows in set (0.00 sec)
```

6. SELECT CNAME,ACTNO FROM DEPOSIT;

```
mysql> SELECT CNAME,ACTNO FROM DEPOSIT;
+-----+-----+
| CNAME  | ACTNO |
+-----+-----+
| ANIL   | D100  |
| SUNIL  | D101  |
| MEHUL  | D102  |
| MADHURI | D104  |
| PRAMOD | D105  |
| SANDIP | D106  |
| SHIVANI | D107  |
| KRANTI | D108  |
| MINU   | D109  |
+-----+-----+
9 rows in set (0.00 sec)
```

7. SELECT CNAME FROM CUSTOMER;

```
mysql> SELECT CNAME FROM CUSTOMER;
```

CNAME
ANIL
KRANTI
MADHURI
MANDAR
MEHUL
NAREN
PRAMOD
SANDIP
SHIVANI
SUNIL

```
10 rows in set (0.00 sec)
```

8. SELECT BNAME FROM BRANCH;

```
mysql> SELECT BNAME FROM BRANCH;
```

BNAME
AJNI
ANDHERI
CHANDNI
DHARAMPETH
KAROLBAGH
MG-ROAD
NEHRU-PALACE
POWAI
VRCE

```
9 rows in set (0.00 sec)
```

9. SELECT CNAME FROM BORROW;

```
mysql> SELECT CNAME FROM BORROW;
```

CNAME
ANIL
MEHUL
SUNIL
MADHURI
PRAMOD
KRANTI

```
6 rows in set (0.00 sec)
```

10.SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';

```
mysql> SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';
```

CNAME
MADHURI
PRAMOD

```
2 rows in set (0.00 sec)
```

11.SELECT CNAME FROM DEPOSIT WHERE AMOUNT > 4000;

```
Error 1140 (42002): Table 'demo.deposit' doesn't exist
mysql> SELECT CNAME FROM DEPOSIT WHERE AMOUNT > 4000;
+-----+
| CNAME |
+-----+
| KRANTI |
| MINU  |
+-----+
2 rows in set (0.00 sec)
```

12.SELECT ADATE FROM DEPOSIT WHERE CNAME='ANIL';

```
mysql> SELECT ADATE FROM DEPOSIT WHERE CNAME='ANIL';
+-----+
| ADATE |
+-----+
| 1995-03-01 |
+-----+
1 row in set (0.00 sec)
```

13.SELECT BNAME FROM BRANCH WHERE CITY='BOMBAY';

```
mysql> SELECT BNAME FROM BRANCH WHERE CITY='BOMBAY';
+-----+
| BNAME |
+-----+
| ANDHERI |
| POWAI  |
+-----+
2 rows in set (0.00 sec)
```

14.SELECT CNAME FROM BORROW WHERE LOANNO='L201';

```
mysql> SELECT CNAME FROM BORROW WHERE LOANNO='L201';
+-----+
| CNAME |
+-----+
| ANIL  |
+-----+
1 row in set (0.01 sec)
```

15.SELECT CNAME FROM DEPOSIT WHERE BNAME='VRCE';

```
mysql> SELECT CNAME FROM DEPOSIT WHERE BNAME='VRCE';
+-----+
| CNAME |
+-----+
| ANIL  |
+-----+
1 row in set (0.00 sec)
```

16.SELECT BNAME FROM BRANCH WHERE CITY='DELHI';

```
mysql> SELECT BNAME FROM BRANCH WHERE CITY='DELHI';
+-----+
| BNAME      |
+-----+
| CHANDNI    |
| KAROLBAGH  |
| NEHRU-PALACE |
+-----+
3 rows in set (0.00 sec)
```

17.SELECT CNAME FROM DEPOSIT WHERE ADATE='1995-12-17';

```
mysql> SELECT CNAME FROM DEPOSIT WHERE ADATE='1995-12-17';
+-----+
| CNAME      |
+-----+
| MADHURI    |
+-----+
1 row in set (0.00 sec)

mysql> _
```

18.SELECT ACTNO,AMOUNT FROM DEPOSIT WHERE ADATE >='1995-12-01' AND ADATE <='1996-05-01';

```
mysql> SELECT ACTNO,AMOUNT FROM DEPOSIT WHERE ADATE >='1995-12-01' AND ADATE<='1996-05-01';
+-----+-----+
| ACTNO | AMOUNT |
+-----+-----+
| D101  | 500.00 |
| D104  | 1200.00 |
| D105  | 3000.00 |
| D106  | 2000.00 |
+-----+-----+
4 rows in set (0.00 sec)
```

19.SELECT CITY FROM BRANCH WHERE BNAME='KAROLBAGH';

```
mysql> SELECT CITY FROM BRANCH WHERE BNAME='KAROLBAGH';
+-----+
| CITY |
+-----+
| DELHI |
+-----+
1 row in set (0.00 sec)
```

20.SELECT D.ACTNO,D.CNAME,D.BNAME,D.AMOUNT,B.LOANNO,B.AMOUNT FROM DEPOSIT D,BORROW B WHERE B.CNAME='ANIL' AND D.CNAME='ANIL';

```
mysql> SELECT D.ACTNO,D.CNAME,D.BNAME,D.AMOUNT,B.LOANNO,B.AMOUNT FROM DEPOSIT D,BORROW B WHERE D.CNAME='ANIL'AND B.CNAME='ANIL';
+-----+-----+-----+-----+-----+-----+
| ACTNO | CNAME | BNAME | AMOUNT | LOANNO | AMOUNT |
+-----+-----+-----+-----+-----+-----+
| D100  | ANIL  | VRCE  | 1000.00 | L201   | 1000.00 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```


EXPERIMENT:3

```
CREATE TABLE EMP(EMPNO NUMERIC(4),ENAME CHAR(10),HIREDATE DATE,SALARY  
FLOAT,COMM INTEGER(20),PRIMARY KEY(EMPNO));
```

```
✚ INSERT INTO EMP VALUES(101,"RAMESH","1980-01-17",5000,NULL);
```

```
✚ INSERT INTO EMP VALUES(102,"AJAY","1985-07-05",5000,500);
```

```
✚ INSERT INTO EMP VALUES(103,"RAVI","1981-08-12",1500,NULL);
```

```
✚ INSERT INTO EMP VALUES(104,"NIKESH","1983-03-03",3000,700);
```

```
✚ INSERT INTO EMP VALUES(105,"RAVI","1985-07-05",3000,NULL);
```

```
mysql> select * from emp;
```

EMPNO	ENAME	HIREDATE	SALARY	COMM
101	RAMESH	1980-01-17	5000	NULL
102	AJAY	1985-07-05	5000	500
103	RAVI	1981-08-12	1500	NULL
104	NIKESH	1983-03-03	3000	700
105	RAVI	1985-07-05	3000	NULL

5 rows in set (0.02 sec)

```
ALTER TABLE EMP ADD SAL INTEGER(7);
```

```
mysql> ALTER TABLE EMP ADD SAL INTEGER(7);  
Query OK, 0 rows affected, 1 warning (0.02 sec)  
Records: 0 Duplicates: 0 Warnings: 1
```

```
mysql> select * from emp;
```

EMPNO	ENAME	HIREDATE	SALARY	COMM	SAL
101	RAMESH	1980-01-17	5000	NULL	NULL
102	AJAY	1985-07-05	5000	500	NULL
103	RAVI	1981-08-12	1500	NULL	NULL
104	NIKESH	1983-03-03	3000	700	NULL
105	RAVI	1985-07-05	3000	NULL	NULL

5 rows in set (0.00 sec)

```
ALTER TABLE EMP DROP SAL;
```

```
mysql> ALTER TABLE EMP DROP SAL;  
Query OK, 0 rows affected (0.06 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> select * from emp;
```

EMPNO	ENAME	HIREDATE	SALARY	COMM
101	RAMESH	1980-01-17	5000	NULL
102	AJAY	1985-07-05	5000	500
103	RAVI	1981-08-12	1500	NULL
104	NIKESH	1983-03-03	3000	700
105	RAVI	1985-07-05	3000	NULL

5 rows in set (0.00 sec)

ALTER TABLE EMP MODIFY ENAME VARCHAR(10);

```
mysql> ALTER TABLE EMP MODIFY ENAME VARCHAR(10);
Query OK, 5 rows affected (0.05 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> select * from emp;
+-----+-----+-----+-----+-----+
| EMPNO | ENAME | HIREDATE | SALARY | COMM |
+-----+-----+-----+-----+-----+
| 101 | RAMESH | 1980-01-17 | 5000 | NULL |
| 102 | AJAY | 1985-07-05 | 5000 | 500 |
| 103 | RAVI | 1981-08-12 | 1500 | NULL |
| 104 | NIKESH | 1983-03-03 | 3000 | 700 |
| 105 | RAVI | 1985-07-05 | 3000 | NULL |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

ALTER TABLE EMP RENAME TO EMP1;

```
mysql> ALTER TABLE EMP RENAME TO EMP1;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from emp;
ERROR 1146 (42S02): Table 'dbms.emp' doesn't exist
mysql> select * from emp1;
+-----+-----+-----+-----+-----+
| EMPNO | ENAME | HIREDATE | SALARY | COMM |
+-----+-----+-----+-----+-----+
| 101 | RAMESH | 1980-01-17 | 5000 | NULL |
| 102 | AJAY | 1985-07-05 | 5000 | 500 |
| 103 | RAVI | 1981-08-12 | 1500 | NULL |
| 104 | NIKESH | 1983-03-03 | 3000 | 700 |
| 105 | RAVI | 1985-07-05 | 3000 | NULL |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

TRUNCATE TABLE EMP1;

```
mysql> TRUNCATE TABLE EMP1;
Query OK, 0 rows affected (0.03 sec)

mysql> select * from emp1;
Empty set (0.00 sec)

mysql>
```

EXPERIMENT-4

JULIA GEORGE

Roll No: 04

RMCA –B

CREATE TABLE emp(EMPNO INT(4) PRIMARY KEY, ENAME CHAR(10), HIREDATE DATE, SALARY INT(5), COMMISSION INT(5));

- INSERT INTO emp(EMPNO,ENAME,HIREDATE,SALARY) VALUES (101,'RAMESH','1980-01-17',5000);
- INSERT INTO emp(EMPNO,ENAME,HIREDATE,SALARY,COMMISSION) VALUES (102,'AJAY','1985-07-05',5000,500);
- INSERT INTO emp(EMPNO,ENAME,HIREDATE,SALARY) VALUES (103,'RAVI','1981-08-12',1500);
- INSERT INTO emp(EMPNO,ENAME,HIREDATE,SALARY,COMMISSION) VALUES (104,'Nikesh','1983-03-03',3000,700);
- INSERT INTO emp(EMPNO,ENAME,HIREDATE,SALARY) VALUES (105,'Ravi','1985-07-05',3000);

Select * from emp;

```
SELECT * FROM `emp`
```

☐ Show all | Number of rows: Filter rows: Sort by key

Options

				EMPNO	ENAME	HIREDATE	SALARY	COMMISSION
<input type="checkbox"/>	Edit	Copy	Delete	101	RAMESH	1980-01-17	5000	NULL
<input type="checkbox"/>	Edit	Copy	Delete	102	AJAY	1985-07-05	5000	500
<input type="checkbox"/>	Edit	Copy	Delete	103	RAVI	1981-08-12	1500	NULL
<input type="checkbox"/>	Edit	Copy	Delete	104	Nikesh	1983-03-03	3000	700
<input type="checkbox"/>	Edit	Copy	Delete	105	Ravi	1985-07-05	3000	NULL

- ALTER TABLE emp ADD sal int;

SELECT * FROM `emp`

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: N

+ Options

	EMPNO	ENAME	HIREDATE	SALARY	COMMISSION	sal
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000	500	NULL
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	104	Nikesh	1983-03-03	3000	700	NULL
<input type="checkbox"/> Edit Copy Delete	105	Ravi	1985-07-05	3000	NULL	NULL

- ALTER TABLE emp DROP COLUMN sal;

localhost says

Do you really want to execute "ALTER TABLE emp DROP COLUMN sal;"?

OK Cancel

Run SQL query/queries on table

1 ALTER TABLE emp DROP COLUMN sal;

- ALTER TABLE emp MODIFY ename VARCHAR(15);

`SELECT * FROM `emp``

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: []

+ Options

	EMPNO	ename	HIREDATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000	NULL
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000	500
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500	NULL
<input type="checkbox"/> Edit Copy Delete	104	Nikesh	1983-03-03	3000	700
<input type="checkbox"/> Edit Copy Delete	105	Ravi	1985-07-05	3000	NULL

- RENAME table emp to emp1;

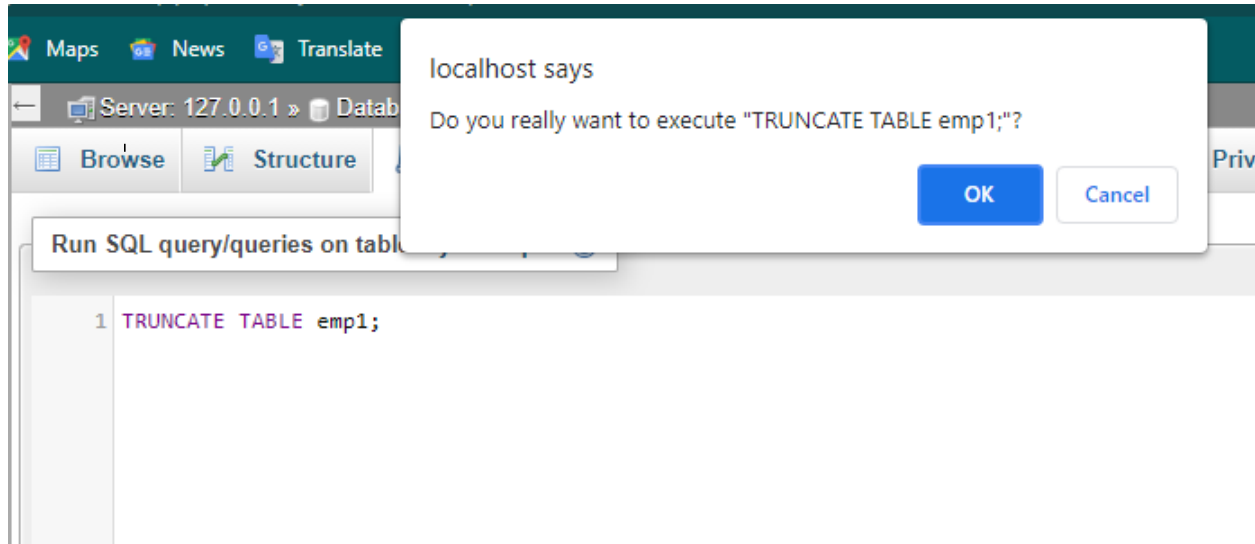
`SELECT * FROM `emp1``

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort

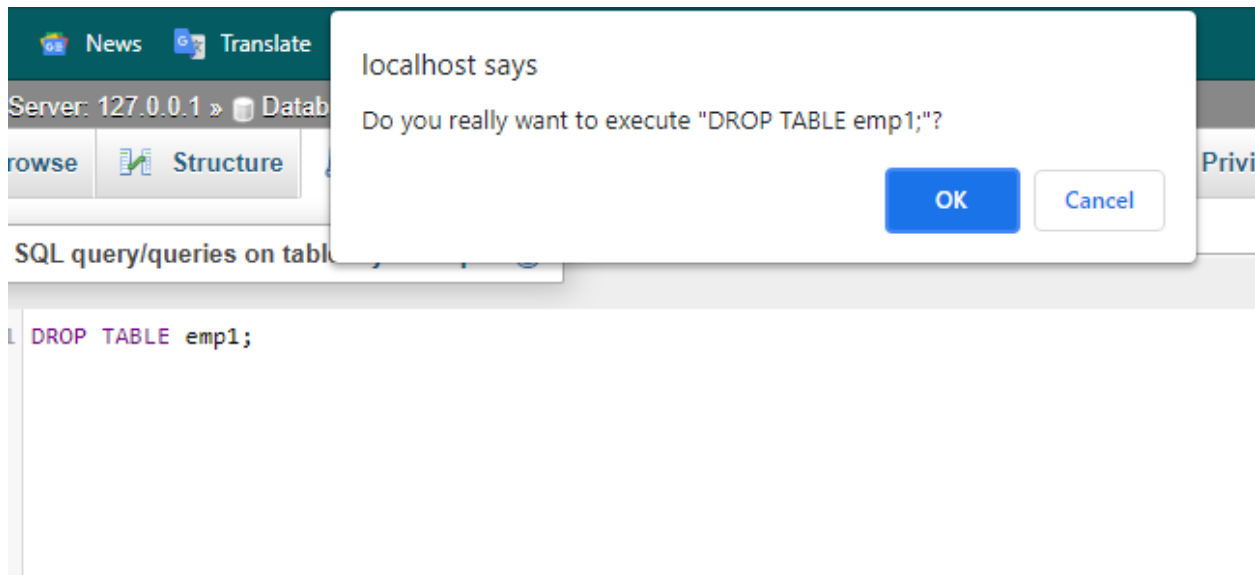
+ Options

	EMPNO	ename	HIREDATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000	NULL
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000	500
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500	NULL
<input type="checkbox"/> Edit Copy Delete	104	Nikesh	1983-03-03	3000	700
<input type="checkbox"/> Edit Copy Delete	105	Ravi	1985-07-05	3000	NULL

- TRUNCATE TABLE emp1;



- DROP TABLE emp1;



Experiment: 5

JULIA GEORGE

RMCA B

Roll No: 04

1. SELECT SUM (amount) FROM borrow;

✓ Showing rows 0 - 0 (1 total, Query took 0.0377 seconds.)

```
SELECT SUM(amount) FROM borrow
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

SUM(amount)
22000.00

2. SELECT SUM amount) FROM deposit;

✓ Showing rows 0 - 0 (1 total, Query took 0.0452 seconds.)

```
SELECT SUM(amount) FROM deposit
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

SUM(amount)
24200

3. SELECT MAX(amount) FROM borrow WHERE bname ='karolbagh';

✓ Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)

```
SELECT MAX(amount) FROM borrow WHERE bname ='karolbagh'
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

MAX(amount)
3000.00

4. SELECT SUM(amount) from deposit where adate>'1995-03-01';

```
SELECT SUM(amount) from deposit where adate>'1995-03-01'
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

SUM(amount)
23200

5. SELECT SUM(D1.amount) FROM deposit D1 , customer C1 WHERE C1.city = 'nagpur' AND C1.cname = D1.cname;

```
SELECT SUM(D1.amount) FROM deposit D1 , customer C1 WHERE C1.city = 'nagpur' AND C1.cname = D1.cname
```

☐ Profiling [\[Edit in\]](#)

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

SUM(D1.amount)
4200

6. SELECT MAX(D1.amount) FROM deposit D1 , customer C1 WHERE C1.city = 'Bombay' AND C1.cname = D1.cname;

```
SELECT MAX(D1.amount) FROM deposit D1 , customer C1 WHERE C1.city = 'Bombay' AND C1.cname = D1.cname
```

☐ Profiling [\[Edit\]](#)

☐ Show all | Number of rows: 25 ▾ Filter rows:

+ Options

MAX(D1.amount)
5000

7. SELECT SUM(amount) from deposit,branch where city='bombay';

```
SELECT SUM(amount) from deposit,branch where city='bombay'
```

☐ Show all | Number of rows: 25 ▾ Filter rows:

+ Options

SUM(amount)
48400

8. SELECT COUNT(DISTINCT (city)) FROM branch ;

```
SELECT COUNT(DISTINCT (city)) FROM branch
```

+ Options

COUNT(DISTINCT (city))
4

9. SELECT count(city) from customer;

```
SELECT count(city) from customer
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

count(city)

10

10. SELECT bname , SUM(amount) FROM deposit GROUP BY bname;

```
SELECT bname , SUM(amount) FROM deposit GROUP BY bname
```

☐ Show all | Number of rows: 25 ▼ Filter rows: Search this table

+ Options

				bname	SUM(amount)			
<input type="checkbox"/>		Edit		Copy		Delete	andheri	2000
<input type="checkbox"/>		Edit		Copy		Delete	anjai	500
<input type="checkbox"/>		Edit		Copy		Delete	chandni	1200
<input type="checkbox"/>		Edit		Copy		Delete	karolbagh	3500
<input type="checkbox"/>		Edit		Copy		Delete	mg road	3000
<input type="checkbox"/>		Edit		Copy		Delete	nehru palce	5000
<input type="checkbox"/>		Edit		Copy		Delete	powai	7000
<input type="checkbox"/>		Edit		Copy		Delete	virar	1000
<input type="checkbox"/>		Edit		Copy		Delete	vrce	1000

11. SELECT C1.city , SUM(D1.amount) FROM customer C1 , deposit D1 WHERE
D1.cname = C1.cname GROUP BY C1.city;

`SELECT C1.city , SUM(D1.amount) FROM customer C1 , deposit D1 WHERE D1.cname = C1.cname GROUP BY C1.city`

☐ Profiling [\[Edit inline\]](#)

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

	city	SUM(D1.amount)
<input type="checkbox"/> Edit Copy Delete	baroda	3500
<input type="checkbox"/> Edit Copy Delete	bombay	6000
<input type="checkbox"/> Edit Copy Delete	culcutta	1000
<input type="checkbox"/> Edit Copy Delete	delhi	500
<input type="checkbox"/> Edit Copy Delete	nagpur	4200
<input type="checkbox"/> Edit Copy Delete	surat	2000

12. SELECT bname , SUM(amount) FROM borrow,customer WHERE city ='nagpur'
GROUP BY bname;

✓ Showing rows 0 - 5 (6 total, Query took 0.0006 seconds.)

`SELECT bname , SUM(amount) FROM borrow,customer WHERE city ='nagpur' GROUP BY bname`

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

bname	SUM(amount)
ajni	10000.00
andheri	4000.00
dhrampeth	6000.00
karolbagh	6000.00
virar	16000.00
vrce	2000.00

13. SELECT count(cname) from customer;

```
SELECT count(cname) from customer
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

count(cname)
10

14. SELECT bname,count(*)from deposit,customer where deposit.cname = customer.cname group by bname

```
SELECT bname,count(*)from deposit,customer where deposit.cname = customer.cname group by bname
```

☐ Profiling

☐ Show all | Number of rows: 25 ▼ Filter rows: Search this table

+ Options

bname	count(*)
andheri	1
anjai	1
chandni	1
karolbagh	1
mg road	1
nehru palce	1
virar	1
vrce	1

15. SELECT MAX(amount) FROM borrow WHERE bname ='vrce';

```
SELECT MAX(amount) FROM borrow WHERE bname ='vrce'
```

☐ Show all | Number of rows: 25 ▾ Filter rows: Sea

+ Options

MAX(amount)
1000.00

16. SELECT COUNT(DISTINCT (cname)) FROM customer WHERE cname IN ((SELECT cname FROM deposit) INTERSECT (SELECT cname FROM borrow));

```
SELECT COUNT(DISTINCT (cname)) FROM customer WHERE cname IN ((SELECT cname FROM deposit) INTERSECT (SELECT cname FROM borrow))
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [C]

+ Options

COUNT(DISTINCT (cname))
6

EXPERIMENT-6

JULIA GEORGE

RMCA -B

Roll No:04

1. SELECT cname FROM deposit UNION (SELECT cname FROM borrow);

```
SELECT cname FROM deposit UNION (SELECT cname FROM borrow)
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

cname
anil
sunil
mehul
madhuri
pramod
sandip
shivani
kranti
minu

2. SELECT D1.cname FROM deposit D1 WHERE D1.bname IN (SELECT D2.bname FROM deposit D2 WHERE D2.cname = 'sunil');

```
SELECT D1.cname FROM deposit D1 WHERE D1.bname IN (SELECT D2.bname FROM deposit D2 WHERE D2.cname = 'sunil')
```

☐ Profiling [\[Edit inline\]](#) [\[Export\]](#)

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

← T →	cname
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	sunil

3. SELECT C1.cname FROM customer C1,deposit D1, branch B1 WHERE C1.city = 'nagpur' and C1.cname = D1.cname AND D1.bname = B1.bname AND B1.city IN ('bombay','delhi');

```
SELECT C1.cname FROM customer C1,deposit D1, branch B1 WHERE C1.city = 'nagpur' and C1.cname = D1.cname AND D1.bname = B1.bname AND B1.city IN ('bombay','delhi')
```

☐ Profile

☐ Show all | Number of rows: 25 Filter rows:

+ Options

← T →

cname

☐ Edit ☐ Copy ☐ Delete

madhuri

4. SELECT Distinct(customer.cname) from customer,deposit WHERE city='nagpur';

```
SELECT Distinct(customer.cname) from customer,deposit WHERE city='nagpur'
```

☐ Show all | Number of rows: 25 Filter rows:

+ Options

cname

madhuri

pramod

5. SELECT B1.city FROM deposit D1, branch B1 WHERE D1.bname = B1.bname AND D1.cname IN ('sunil' , 'anil');

```
SELECT B1.city FROM deposit D1, branch B1 WHERE D1.bname = B1.bname AND D1.cname IN ('sunil' , 'anil')
```

☐ Show all | Number of rows: 25 Filter rows:

+ Options

← T →

city

☐ Edit ☐ Copy ☐ Delete nagpur

6. SELECT B1.city FROM branch B1 WHERE B1.bname IN (SELECT D1.bname FROM deposit D1 WHERE D1.cname IN ('anil','sunil'));

```
SELECT B1.city FROM branch B1 WHERE B1.bname IN (SELECT D1.bname FROM deposit
```

☐ Show all

Number of rows:

25 ▼

Filter rows:

Search this table

+ Options



city



Edit



Copy



Delete

nagpur

EXPERIENCE-7

JULIA GEORGE

RMCA-B

Roll No:04

1. SELECT D1.cname,D1.bname,C1.cname,C1.city,B1.city,B1.bname FROM deposit D1,customer C1,branch B1 WHERE C1.city = 'bombay' AND B1.city = 'nagpur' AND D1.cname = C1.cname AND D1.bname = B1.bname;
2. SELECT distinct(customer.cname), branch.city FROM branch, customer WHERE branch.city = customer.city;

```
SELECT distinct(customer.cname), branch.city FROM branch, customer WHERE branch.city = customer.city
```

☐ Profiling [Edit i

☐

Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

cname	city
kranti	bombay
madhuri	nagpur
naren	bombay
pramod	nagpur
shivani	bombay
sunil	delhi

3. SELECT C1.cname FROM customer C1,deposit D1,borrow B1 WHERE C1.city='nagpur' AND C1.cname=D1.cname AND D1.cname = B1.cname;

```
SELECT C1.cname FROM customer C1,deposit D1,borrow B1 WHERE C1.city='nagpur' AND C1.cname=D1.cname AND D1.cname = B1.cname;
```

☐

Show all

Number of rows:







25



Filter rows:

Search this table

+ Options

				cname			
<input type="checkbox"/>		Edit		Copy		Delete	madhuri
<input type="checkbox"/>		Edit		Copy		Delete	pramod

4. SELECT b1.cname, b1.amount, D1.cname, D1.amount FROM borrow b1,deposit D1 WHERE D1.cname = b1.cname AND D1.amount > 1000 AND b1.amount>2000;

```
SELECT b1.cname, b1.amount, D1.cname, D1.amount FR
```

☐ Show all | Number of rows: 25

+ Options

cname	amount	cname	amount
mehul	5000.00	mehul	3500
pramod	8000.00	pramod	3000
kranti	3000.00	kranti	5000

5. SELECT D1.cname FROM deposit D1 WHERE D1.bname IN (SELECT D2.bname FROM deposit D2 WHERE D2.cname = 'sunil');

```
SELECT D1.cname FROM deposit D1 WHERE D1.bname IN (SELECT D2.bname
```

☐ Show all | Number of rows: 25

Options

6. SELECT b1.cname,b1.amount FROM borrow b1 WHERE b1.amount > ALL (SELECT b2.amount FROM borrow b2 WHERE b2.cname = 'pramod');
7. SELECT C.cname FROM customer C WHERE C.city IN (SELECT B.city FROM branch B WHERE B.bname IN (SELECT D.bname FROM deposit D WHERE D.cname='sunil'));

8. SELECT B1.city , C1.city FROM branch B1, customer C1, deposit D1 WHERE C1.cname = 'pramod' AND C1.cname = D1.cname AND D1.bname = B1.bname;

```
SELECT B1.city , C1.city FROM branch B1, customer C1, deposit D1 WHERE C1.cname = 'pramod' AND C1.cname = D1.cname AND D1.bname = B1.bname;
```

☐ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

city city
bangalore nagpur

9. SELECT B1.city FROM deposit D1, branch B1 WHERE D1.bname = B1.bname AND D1.cname IN ('sunil' , 'anil');

```
SELECT B1.city FROM deposit D1, branch B1 WHERE D1.bname = B1.bname AND D1.cname IN ('sunil' , 'anil');
```

☐ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

city
☐ Edit Copy Delete nagpur

10. SELECT C1.cname, C1.city FROM customer C1 WHERE C1.cname = 'anil' OR C1.cname = 'sunil';

```
SELECT C1.cname, C1.city FROM customer C1 WHERE C1.cname = 'anil' OR C1.cname = 'sunil';
```

☐ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

	cname	city
<input type="checkbox"/> Edit Copy Delete	anil	culcutta
<input type="checkbox"/> Edit Copy Delete	sunil	delhi

EXPERIMENT-8

JULIA GEORGE

RMCA-B

Roll No:04

1. create table department (department_id int(4), department_name varchar(30), manager_id int(6), location_id int(4));

- ✚ insert into department (department_id , department_name, manager_id, location_id) values (10, 'administration', 200, 1700);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (20, 'marketing', 201, 1800);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (50, 'shipping', 124, 1500);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (60, 'it', 103, 1400);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (80, 'sales', 149, 2500);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (90, 'executive', 100, 1700);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (110, 'accountig', 205, 1700);
- ✚ insert into department (department_id , department_name, manager_id, location_id) values (190, 'contacting', 1700);

select * from department;

+ Options			
department_id	department_name	manager_id	location_id
10	administration	200	1700
20	marketing	201	1800
50	shipping	124	1500
60	it	103	1400
80	sales	149	2500
90	executive	100	1700
110	accountig	205	1700

2. CREATE table employee(empid int PRIMARY KEY ,empname varchar(100),department varchar(50),contactno bigint,emailid varchar(100),empheadid int)
 - ✚ INSERT INTO `employee` (`employee_id`, `first_name`, `last_name`, `email`, `phone_number`, `hire_date`, `job_id`, `salary`, `commission_pct`, `manager_id`, `department_id`) VALUES ('100', 'steven', 'king', 'sking', '5151234567', '17-jun-87', 'ad_pres', '2400', NULL, NULL, '90');
 - ✚ INSERT INTO `employee` (`employee_id`, `first_name`, `last_name`, `email`, `phone_number`, `hire_date`, `job_id`, `salary`, `commission_pct`, `manager_id`, `department_id`) VALUES ('101', 'neena', 'kochhar', 'nkochhar', '5151234568', '1989-10-21', 'ad_vp', '1700', NULL, 100, '90');
 - ✚ INSERT INTO `employee` (`employee_id`, `first_name`, `last_name`, `email`, `phone_number`, `hire_date`, `job_id`, `salary`, `commission_pct`, `manager_id`, `department_id`) VALUES ('102', 'lex', 'de haan', 'ldehaan', '5151234569', '1993-01-13', 'ad_vp', '1700', NULL, 100, '90');
 - ✚ INSERT INTO `employee` (`employee_id`, `first_name`, `last_name`, `email`, `phone_number`, `hire_date`, `job_id`, `salary`, `commission_pct`, `manager_id`, `department_id`) VALUES ('103', 'alexander', 'hunold', 'ahunold', '5904234567', '1990-01-03', 'it_prog', '9000', NULL, 102, '60');
 - ✚ INSERT INTO `employee` (`employee_id`, `first_name`, `last_name`, `email`, `phone_number`, `hire_date`, `job_id`, `salary`, `commission_pct`, `manager_id`, `department_id`) VALUES ('107', 'diana', 'lorentz', 'dlorentz', '5904234567', '1999-02-07', 'it_prog', '4200', NULL, 103, '60');

Select * form employee;

```
SELECT * FROM `employee`
```

☐ Profiling
 [\[Edit inline\]](#)
[\[Edit\]](#)
[\[Explain SQL\]](#)
[\[Create PHP c](#)

☐ Show all
 | Number of rows: 25
 | Filter rows:

- Options

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
100	steven	king	sking	5151234567	0000-00-00	ad_pres	2400	NULL	NULL	90
101	neena	kochhar	nkochhar	5151234568	1989-10-21	ad_vp	1700	NULL	100	90
102	lex	de haan	ldehaan	5151234569	1993-01-13	ad_vp	1700	NULL	100	90
103	alexander	hunold	ahunold	5904234567	1990-01-03	it_prog	9000	NULL	102	60
107	diana	lorentz	dlorentz	5904234567	1999-02-07	it_prog	4200	NULL	103	60

3. CREATE TABLE country (country_id varchar(2) NOT NULL ,countryname varchar(40) DEFAULT NULL,region_id decimal(10,0) NOT NULL,PRIMARY KEY (country_id));
 - ✚ insert into country values('CA','Canada',2);
 - ✚ insert into country values('DE','Germany',1);
 - ✚ insert into country values('UK','United Kingdom',1);

✚ select * from country

```
SELECT * FROM `country`
```

☐ Show all | Number of rows: 25 Filter rows:

+ Options

country_id	countryname	region_id
ca	canada	2
DE	germany	1
uk	unated kingdom	1

4. create table jobs (JOB_ID varchar(10) NOT NULL, JOB_TITLE varchar(35) NOT NULL, MIN_SALARY decimal(6), MAX_SALARY decimal(6),PRIMARY KEY (JOB_ID));

✚ insert into job values('AD_VP','Adminstartion vice presedant',15000,30000);

✚ insert into job values('AD_PRES','presedant',20000,40000);

✚ insert into job values('AD_ASST','Adminstartion assistant',3000,6000);

✚ insert into job values('AC_MGR','accounting manager',20000,40000);

✚ insert into job values('AC_ACCOUNT','public account',15000,30000);

Select * from jobs;

```
SELECT * FROM `jobs`
```

☐ Profiling [Edit]

☐ Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
<input type="checkbox"/> Edit Copy Delete	AC_ACCOUNT	public accountant	4200	9000
<input type="checkbox"/> Edit Copy Delete	AC_MGR	accounting manager	8200	1600
<input type="checkbox"/> Edit Copy Delete	AD_ASST	administration assistant	3000	6000
<input type="checkbox"/> Edit Copy Delete	AD_PRES	presedant	20000	40000
<input type="checkbox"/> Edit Copy Delete	AD_VP	Adminstartion vice presedant	15000	30000

5. CREATE TABLE job_grades (gradelevel varchar(3),lowest_sal decimal,highest_sal decimal(8,2));

✚ insert into job_gradesvalues('A',1000,2999);

✚ insert into job_grades values('B',3000,5999);

✚ insert into job_gradesvalues('c',6000,9999);

✚ insert into job_grades values('d',10000,14999);

select * from job_grades;

✓ Showing rows 0 - 3 (4 total, Query took 0.0007 seconds.)

```
SELECT * FROM `job_grades`
```

☐ Show all | Number of rows: 25 | Filter rows: Search

+ Options

gradelevel	lowest_sal	highest_sal
A	1000	2999.00
B	3000	5999.00
C	6000	9999.00
d	10000	14999.00

6. CREATE TABLE job_history (EMPLOYEE_ID decimal(6,0) NOT NULL
PRIMARY KEY, START_DATE date NOT NULL, END_DATE date NOT NULL,
JOB_ID varchar(10) NOT NULL, DEPARTMENT_ID decimal(4,0) DEFAULT
NULL, FOREIGN KEY (job_id) REFERENCES jobs(job_id));

✚ insert into jobhistory values(102,19930213,19980724,'IT_PROG',60);
✚ INSERT INTO jobhistory VALUES (101,19890921,19931027,"ac_account",110);
✚ INSERT INTO jobhistory VALUES (101,19931028,19970315,"ac_mgr",110);
✚ INSERT INTO jobhistory VALUES (201,19960217,19991219,"mk_rep",20);

Select * from jobhistory;

```
SELECT * FROM `jobhistory`
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

emp_id	start_date	end_date	job_id	department_id
102	1993-02-13	1998-07-24	IT_PROG	60
101	1989-09-21	1993-10-27	ac_account	110
101	1993-10-28	1997-03-15	ac_mgr	110
201	1996-02-17	1999-12-19	mk_rep	20

7. create table locations(LOCATION_ID decimal(4) NOT NULL, STREET_ADDRESS varchar(40), POSTAL_CODE varchar(12), CITY varchar(30), STATE_PROVINCE varchar(25) NOT NULL, COUNTRY_ID char(2), PRIMARY KEY (LOCATION_ID));

✚ insert into locations

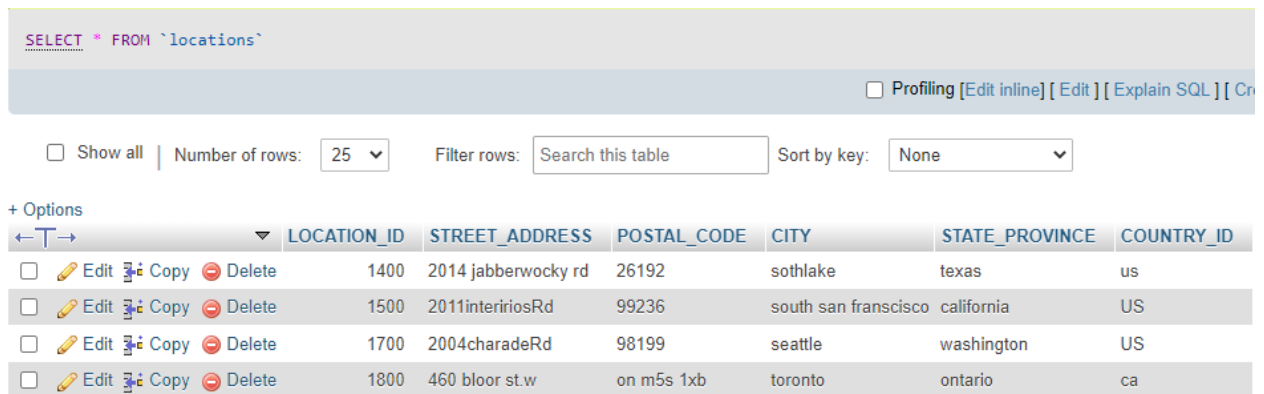
values(1700,'2004charadeRd',98199,'seattle','washington','US');

✚ insert into locations values(1500,'2011inteririosRd',99236,'south san francisco','california','US');

✚ insert into locations values(1400,'2014jabberwocky rd',26192,'southlake','texas','US');

✚ insert into locations values(1800,'460 bloor st.w',on m5s 1xb,'toronto','ontario','ca');

Select * from locations;



SELECT * FROM `locations`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Cr

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	LOCATION_ID	STREET_ADDRESS	POSTAL_CODE	CITY	STATE_PROVINCE	COUNTRY_ID
<input type="checkbox"/> Edit Copy Delete	1400	2014 jabberwocky rd	26192	sothlake	texas	us
<input type="checkbox"/> Edit Copy Delete	1500	2011inteririosRd	99236	south san francisco	california	US
<input type="checkbox"/> Edit Copy Delete	1700	2004charadeRd	98199	seattle	washington	US
<input type="checkbox"/> Edit Copy Delete	1800	460 bloor st.w	on m5s 1xb	toronto	ontario	ca

8. CREATE TABLE regions (region_id DECIMAL,region_name VARCHAR(25));

✚ insert into regions(region_id,region_name)values(1,'Europe');

✚ insert into regions(region_id,region_name)values(2,'amerians');

✚ insert into regions(region_id,region_name)values(3,'asia');

✚ insert into regions(region_id,region_name)values(4,'middle east and africa');

Select * from regions;

✓ Showing rows 0 - 3 (4 total, Query took 0.0006 seconds.)

```
SELECT * FROM `regions`
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

region_id	region_name
1	europe
2	americas
3	asia
4	middle east and africa

❖ SELECT * FROM `employee` WHERE (hire_date>'1997-05-02')and(job_id='it_prog');

```
SELECT * FROM `employee` WHERE (hire_date>'1997-05-02')and(job_id='it_prog')
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

employee_id	first_name	last_name	email	phone_number	hire_date	job_id
107	diana	lorentz	dlorentz	5904234567	1999-02-07	it_prog

- ❖ SELECT last_name, job_id, salary, commission_pct FROM employee WHERE commission_pct IS NULL ORDER BY salary DESC;

```
SELECT last_name, job_id, salary, commission_pct FROM employee WHERE commission_pct IS NULL ORDER BY salary DESC
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Export\]](#)

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

last_name	job_id	salary ▼ 1	commission_pct
hunold	it_prog	9000	NULL
lorentz	it_prog	4200	NULL
king	ad_pres	2400	NULL
kochhar	ad_vp	1700	NULL
de haan	ad_vp	1700	NULL

- ❖ SELECT first_name,salary,commission_pct,round(salary*(10/100)) AS newsalary FROM employee WHERE commission_pct IS NULL;

✓ Showing rows 0 - 4 (5 total, Query took 0.1246 seconds.)

```
SELECT first_name,salary,commission_pct,round(salary*(10/100)) AS newsalary
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

first_name	salary	commission_pct	newsalary
steven	2400	NULL	240
neena	1700	NULL	170
lex	1700	NULL	170
alexander	9000	NULL	900
diana	4200	NULL	420

- ❖ `SELECT last_name,timestampdiff (year,hire_date,sysdate()) AS years, timestampdiff(month,hire_date,sysdate()) AS months from employee ORDER BY years DESC,months DESC;`

✓ Showing rows 0 - 4 (5 total, Query took 0.0508 seconds.)

```
SELECT last_name,timestampdiff (year,hire_date,sysdate()) AS years, timestampdiff(month,hire_date,sysdate()) AS months DESC
```

☐ Profiling

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

last_name	years	months
kochhar	31	379
hunold	31	377
de haan	28	341
lorentz	22	268
king	NULL	NULL

- ❖ `SELECT last_name FROM employee WHERE SUBSTR(last_name, 1,1) IN ('J', 'K', 'L', 'M');`

✓ Showing rows 0 - 2 (3 total, Query took 0.0091 seconds.)

```
SELECT last_name FROM employee WHERE SUBSTR(last_name, 1,1) IN ('J', 'K', 'L', 'M')
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

last_name
king
kochhar
lorentz

- ❖ SELECT LAST_name,job_id,salary from employee WHERE job_id=(SELECT job_id FROM employee where employee_id=141);

```
SELECT LAST_name,job_id,salary from employee WHERE job_id= (SELECT job_id FROM employee where employee_id=141)
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#)

LAST_name	job_id	salary
-----------	--------	--------

Query results operations

Create view

- ❖ SELECT LAST_name,job_id,salary from employee WHERE salary=(SELECT min(salary)FROM employee);

✓ Showing rows 0 - 1 (2 total, Query took 0.0189 seconds.)

```
SELECT LAST_name,job_id,salary from employee WHERE salary= (SELECT min(salary)FROM employee)
```

☐ Profiling

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

LAST_name	job_id	salary
kochhar	ad_vp	1700
de haan	ad_vp	1700

EXPERIMENT-9

JULIA GEORGE

RMCA –B

Roll No: 04

create table clientmaster(clientno int(100) PRIMARY KEY,cname varchar(30),city varchar(40));
















- insert into clientmaster VALUES(101,"senchu","kannur");
- insert into clientmaster VALUES(102,"sobin","kannur");
- insert into clientmaster VALUES(103,"sajan","mumbai");
- insert into clientmaster VALUES(104,"siju","gujarath");
- insert into clientmaster VALUES(105,"george","kottayam");

Select * from clientmaster;

```
SELECT * FROM `clientmaster`
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

				client_no	cname	city			
<input type="checkbox"/>		Edit		Copy		Delete	101	senchu	kannur
<input type="checkbox"/>		Edit		Copy		Delete	102	sobin	kannur
<input type="checkbox"/>		Edit		Copy		Delete	103	sajan	mumbai
<input type="checkbox"/>		Edit		Copy		Delete	104	siju	gujarath
<input type="checkbox"/>		Edit		Copy		Delete	105	george	kottayam

```
CREATE table salesorder(order_number int PRIMARY KEY ,clientno int,order_date date,
FOREIGN key(clientno)REFERENCES clientmaster(clientno));
```






















- INSERT INTO salesorder VALUES(0,101,"2013-06-01");
- INSERT INTO salesorder VALUES(1,103,"2013-02-01");
- INSERT INTO salesorder VALUES(2,103,"2013-03-21");
- INSERT INTO salesorder VALUES(3,102,"2013-03-02");
- INSERT INTO salesorder VALUES(4,105,"2013-04-02");

Select* from salesorder;

```
SELECT * FROM `salesorder`
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

Options

			order_no	client_no	order_date
<input type="checkbox"/>	 Edit	 Copy	 Delete	0	101 2013-06-01
<input type="checkbox"/>	 Edit	 Copy	 Delete	00	101 2013-06-01
<input type="checkbox"/>	 Edit	 Copy	 Delete	01	103 2013-02-01
<input type="checkbox"/>	 Edit	 Copy	 Delete	02	103 2013-03-21
<input type="checkbox"/>	 Edit	 Copy	 Delete	03	102 2013-03-02
<input type="checkbox"/>	 Edit	 Copy	 Delete	04	105 2013-04-02
<input type="checkbox"/>	 Edit	 Copy	 Delete	05	NULL 2013-08-08

```
create table salesmaste(salesman_no int(100) PRIMARY KEY,sname varchar(30),city
varchar(40));
```

- INSERT INTO salesmaster VALUES(1,"biju","mumbai");
- INSERT INTO salesmaster VALUES(2,"amith","mumbai");
- INSERT INTO salesmaster VALUES(3,"sreela","kannur");
- INSERT INTO salesmaster VALUES(4,"anoop","thrissur");
- INSERT INTO salesmaster VALUES(5,"goutham","pala");

Select * from salesmaster
















```
SELECT * FROM `salesmaster`
```

☐ Show all

Number of rows: 25 ▼

Filter rows:

+ Options

				salesman_number	sname	city	
<input type="checkbox"/>		Edit	 Copy	 Delete	1	biju	mumbai
<input type="checkbox"/>		Edit	 Copy	 Delete	2	amith	mumbai
<input type="checkbox"/>		Edit	 Copy	 Delete	3	sreela	kannur
<input type="checkbox"/>		Edit	 Copy	 Delete	4	anoop	thrissur
<input type="checkbox"/>		Edit	 Copy	 Delete	5	goutham	pala

- `SELECT * from salesorder where client_no in(SELECT client_no from clientmaster where cname ='sajan');`

```
SELECT * from salesorder where client_no in(SELECT client_no from clientmaster where cname ='sajan')
```

☐ Profiling [\[Edit inli](#)

☐ Show all | Number of rows: 25 ▼ Filter rows: Sort by key:

+ Options

	order_no	client_no	order_date
<input type="checkbox"/> Edit Copy Delete 01		103	2013-02-01
<input type="checkbox"/> Edit Copy Delete 02		103	2013-03-21

- `SELECT * from clientmaster WHERE client_no in(SELECT client_no from salesmaster);`

```
SELECT * from clientmaster WHERE client_no in(SELECT client_no from salesmaster)
```

☐ Show all | Number of rows: 25 ▼ Filter rows: Sort by k

+ Options

	client_no	cname	city
<input type="checkbox"/> Edit Copy Delete	101	senchu	kannur
<input type="checkbox"/> Edit Copy Delete	102	sobin	kannur
<input type="checkbox"/> Edit Copy Delete	103	sajan	mumbai
<input type="checkbox"/> Edit Copy Delete	104	siju	gujarath
<input type="checkbox"/> Edit Copy Delete	105	george	kottayam

- SELECT c.cname,s.sname FROM clientmaster c,salesmaster s WHERE c.city="mumbai" and s.city IN (SELECT city FROM salesmaster where city="mumbai");

```
SELECT c.cname,s.sname FROM clientmaster c,salesmaster s WHERE c.city="mumbai" and s.city IN (SELECT city FROM salesmaster where city="mumbai");
```

☐ Show all | Number of rows: 25 ▼ Filter rows:

+ Options

cname	sname
sajan	biju
sajan	amith

- select order_no,cname,order_date from clientmaster inner join salesorder on clientmaster.client_no=salesorder.client_no;

✓ Showing rows 0 - 5 (6 total, Query took 0.0105 seconds.)

```
select order_no,cname,order_date from clientmaster inner join salesorder on clientmaster.client_no=salesorder.client_no;
```

☐ Show all | Number of rows: 25 ▼ Filter rows: Sort by key:

+ Options

order_no	cname	order_date
0	senchu	2013-06-01
00	senchu	2013-06-01
01	sajan	2013-02-01
02	sajan	2013-03-21
03	sobin	2013-03-02
04	george	2013-04-02

- `SELECT c.cname,s.order_date,s.order_no FROM clientmaster c,salesorder s WHERE c.client_no IN (SELECT s.client_no from salesorder);`

✓ Showing rows 0 - 5 (6 total, Query took 0.0067 seconds.)

```
SELECT c.cname,s.order_date,s.order_no FROM clientmaster c,salesorder s WHERE c.client_no
```

☐ Show all

Number of rows:

25 ▼

Filter rows:

Search this table

+ Options

cname	order_date	order_no
senchu	2013-06-01	0
senchu	2013-06-01	00
sajan	2013-02-01	01
sajan	2013-03-21	02
sobin	2013-03-02	03
george	2013-04-02	04

EXPERIENCE-10

JULIA GEORGE

RMCA- B

Roll No:04

1. create view view1 as selct order_no,order_date FROM salesorder;

+ Options

		order_no	order_date
<input type="checkbox"/>	Edit Copy Delete	0	2013-06-01
<input type="checkbox"/>	Edit Copy Delete	00	2013-06-01
<input type="checkbox"/>	Edit Copy Delete	01	2013-02-01
<input type="checkbox"/>	Edit Copy Delete	02	2013-03-21
<input type="checkbox"/>	Edit Copy Delete	03	2013-03-02
<input type="checkbox"/>	Edit Copy Delete	04	2013-04-02

2. desc view1;

```
desc view1
```

+ Options

Field	Type	Null	Key	Default	Extra
order_no	varchar(20)	NO		NULL	
order_date	date	YES		NULL	

3. SELECT * from view1;

```
SELECT * from view1
```

☐ Show all | Number of rows: 25 ▾ Filter rows: S

+ Options

<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div></div></div>						order_no	order_date	
<input type="checkbox"/>		Edit		Copy		Delete	0	2013-06-01
<input type="checkbox"/>		Edit		Copy		Delete	00	2013-06-01
<input type="checkbox"/>		Edit		Copy		Delete	01	2013-02-01
<input type="checkbox"/>		Edit		Copy		Delete	02	2013-03-21
<input type="checkbox"/>		Edit		Copy		Delete	03	2013-03-02
<input type="checkbox"/>		Edit		Copy		Delete	04	2013-04-02

4. insert into view1 values('05','2013-08-08');

5.create view view2 as select client_no,cname from clientmaster;

Options































					client_no	cname	
	Edit		Copy		Delete	101	senchu
	Edit		Copy		Delete	102	sobin
	Edit		Copy		Delete	103	sajan
	Edit		Copy		Delete	104	siju
	Edit		Copy		Delete	105	george

6. INSERT INTO view2 VALUES(106,'vidhya');

7. create view view3 as select salesman_number,sname,city FROM salesmaster
WHERE city="mumbai";

	salesman_number	sname	city
 	1	biju	mumbai
 	2	amith	mumbai

8. create view view4 as SELECT cname,clientmaster.city as
ccity,sname,salesmaster.city from salesmaster,clientmaster;

	cname	ccity	sname	city
<input type="checkbox"/>   	senchu	kannur	biju	mumbai
<input type="checkbox"/>   	senchu	kannur	amith	mumbai
<input type="checkbox"/>   	senchu	kannur	sreela	kannur
<input type="checkbox"/>   	senchu	kannur	anoop	thrissur
<input type="checkbox"/>   	senchu	kannur	goutham	pala
<input type="checkbox"/>   	sobin	kannur	biju	mumbai
<input type="checkbox"/>   	sobin	kannur	amith	mumbai
<input type="checkbox"/>   	sobin	kannur	sreela	kannur
<input type="checkbox"/>   	sobin	kannur	anoop	thrissur
<input type="checkbox"/>   	sobin	kannur	goutham	pala

9. desc view4;


```
DESC view4
```

Options

Field	Type	Null	Key	Default	Extra
cname	varchar(30)	YES		NULL	
ccity	varchar(40)	YES		NULL	
sname	varchar(30)	YES		NULL	
city	varchar(30)	YES		NULL	

10. insert into view4 values('vidhya','idukki','prasad','idukki');






















```
insert into view4 values('vidhya','idukki','prasad','idukki')
```

MySQL said: 

```
#1394 - Can not insert into join view 'sales.view4' without fields list
```

11. create view view5 as select cname,sname from view4;

+ Options

			cname	sname
<input type="checkbox"/>		 Edit	senchu	biju
<input type="checkbox"/>		 Edit	senchu	amith
<input type="checkbox"/>		 Edit	senchu	sreela
<input type="checkbox"/>		 Edit	senchu	anoop
<input type="checkbox"/>		 Edit	senchu	goutham
<input type="checkbox"/>		 Edit	sobin	biju
<input type="checkbox"/>		 Edit	sobin	amith
<input type="checkbox"/>		 Edit	sobin	sreela
<input type="checkbox"/>		 Edit	sobin	anoop
		 Edit	sobin	goutham

Console

12. desc view5;


```
desc view5
```

Options

Field	Type	Null	Key	Default	Extra
cname	varchar(30)	YES		NULL	
sname	varchar(30)	YES		NULL	

13. insert into view5 values('vidhya','prasad');

```
insert into view5 values('vidhya','prasad')
```

MySQL said: 

#1394 - Can not insert into join view 'sales.view5' without fields list

14. drop view view4;

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
drop view view4
```

15. drop view view5;

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0022 seconds.)

```
drop view view5
```