ADBS LAB

Experiment -1 and 2

QUERIES

create table BRANCH(BNAME VARCHAR(20) PRIMARY KEY,CITY VARCHAR(30) NOT NULL CHECK (CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')));

CREATE TABLE CUSTOMER(CNAME VARCHAR(15) PRIMARY KEY , CITY VARCHAR(20) NOT NULL);

create table DEPOSIT(ACTNO VARCHAR(5) PRIMARY KEY CHECK (ACTNO LIKE 'D%'),

           CNAME VARCHAR(15),FOREIGN KEY (CNAME) REFERENCES CUSTOMER(CNAME),

           BNAME VARCHAR(20),FOREIGN KEY (BNAME) REFERENCES BRANCH (BNAME),

           AMOUNT NUMERIC(8,2)NOT NULL CHECK (AMOUNT >0),

           ADATE DATE);

create table BORROW(LOANNO VARCHAR(8) PRIMARY KEY CHECK (LOANNO LIKE 'L%'),

        CNAME VARCHAR(15), FOREIGN KEY (CNAME) REFERENCES CUSTOMER(CNAME),

        BNAME VARCHAR(20), FOREIGN KEY (BNAME) REFERENCES BRANCH(BNAME),

        AMOUNT NUMERIC(8,2) NOT NULL CHECK (AMOUNT >0)

        );

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('ANIL', 'CALCUTTA');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('SUNIL', 'DELHI');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('MEHUL', 'BARODA');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('MANDAR', 'PATNA');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('MADHURI', 'NAGPUR');

```sql
INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('PRAMOD', 'NAGPUR');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('SANDIP', 'SURAT');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('SHIVANI', 'BOMBAY');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('KRANTI', 'BOMBAY');

INSERT INTO CUSTOMER(CNAME, CITY) VALUES ('NAREN', 'BOMBAY');


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 DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D100', 'ANIL','VRCE',1000.00,'1-MAR-95');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D101', 'SUNIL','ANJNI',500.00,'4-JAN-96');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D102', 'MEHUL','KAROLBAGH',3500.00,'17-NOV-95');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D104', 'MADHURI','CHANDNI',1200.00,'17-DEC-95');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D105', 'PRAMOD','MG ROAD',3000.00,'27-MAR-96');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D106', 'SANDIP','ANDHERI',2000.00,'31-MAR-96');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D107', 'SHIVANI','VIRAR',1000.00,'5-SEP-95');
```

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D108', 'KRANTI','NEHRU PLACE',5000.00,'2-JUL-95');

INSERT INTO DEPOSIT(ACTNO, CNAME, BNAME, AMOUNT, ADATE) VALUES ('D109', 'MANDAR',,'POWAI',7000.00,'10-AUG-95');

INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L201 ','ANIL ','VRCE ',1000.00);

INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L206 ','MEHUL ','AJNI ',5000.00);

INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L311 ','SUNIL ','DHARAMPETH ',3000.00);

INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L321 ','MADHURI ','ANDHERI ',2000.00);

INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L371 ','PRAMOD ','POWAI ',8000.00);

INSERT INTO BORROW(LOANNO, CNAME, BNAME, AMOUNT) VALUES ('L481 ','KRANTI ','NEHRU PLACE ',3000.00);

select * from Deposit;

 select * from BORROW;

 select * from CUSTOMER;

select * from BRANCH;

select ACTNO,AMOUNT from Deposit;

 select ACTNO,CNAME from Deposit;select CNAME from CUSTOMER;

 select BNAME from BRANCH;

select CNAME from BORROW;

select CNAME from CUSTOMER where CITY='NAGPUR';

select CNAME from Deposit where AMOUNT>4000;

select ADATE from Deposit where CNAME='ANIL';

select CNAME from BORROW where LOANNO='L206';

select CNAME from Deposit where BNAME='VRCE';

select BNAME from BRANCH where CITY='DELHI';

select CNAME from Deposit where ADATE='1-12-96';

select ACTNO,AMOUNT from Deposit where ADATE between '1-12-95' and '1-5-96';

select CITY from BRANCH where BNAME='KAROLBAGH';

select * from Deposit where CNAME='ANIL'

output

1)

	ACTNO	CNAME	BNAME	AMOUNT	ADATE
Edit Copy Delete	D100	ANIL	VRCE	1000.00	1995-07-21
Edit Copy Delete	D101	SUNIL	AJNI	500.00	1998-04-11
Edit Copy Delete	D102	MEHUL	KAROLBAGH	3500.00	1999-12-15
Edit Copy Delete	D104	MADHURI	CHANDNI	1200.00	2000-04-18
Edit Copy Delete	D105	PRAMOD	MG ROAD	3000.00	2001-02-22
Edit Copy Delete	D106	SANDIP	ANDHERI	2000.00	2020-12-02
Edit Copy Delete	D107	SHIVANI	DHARAMPETH	1000.00	2015-05-05
Edit Copy Delete	D108	KRANTI	NEHRU PALACE	5000.00	2008-08-18
Edit Copy Delete	D109	MANDAR	POWAI	7000.00	2019-09-19

2)

	LOANNO	CNAME	BNAME	AMOUNT
Edit Copy Delete	L201	ANIL	VRCE	1000.00
Edit Copy Delete	L206	MEHUL	AJNI	5000.00
Edit Copy Delete	L311	SUNIL	DHARAMPETH	3000.00
Edit Copy Delete	L321	MADHURI	ANDHERI	2000.00
Edit Copy Delete	L371	PRAMOD	POWAI	8000.00
Edit Copy Delete	L481	KRANTI	NEHRU PALACE	3000.00

3)

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

4)

		BNAME	CITY
☐	🖊 Edit ⧉ Copy ⊖ Delete	AJNI	NAGPUR
☐	🖊 Edit ⧉ Copy ⊖ Delete	ANDHERI	BOMBAY
☐	🖊 ...NDNI		DELHI
☐	🖊 Edit ⧉ Copy ⊖ Delete DHARAMPETH		NAGPUR
☐	🖊 Edit ⧉ Copy ⊖ Delete	KAROLBAGH	DELHI
☐	🖊 Edit ⧉ Copy ⊖ Delete	MG ROAD	BANGALORE
☐	🖊 Edit ⧉ Copy ⊖ Delete	NEHRU PALACE	DELHI
☐	🖊 Edit ⧉ Copy ⊖ Delete	POWAI	BOMBAY
☐	🖊 Edit ⧉ Copy ⊖ Delete	VRCE	NAGPUR

You can also edit most values by double-clicking directly on them.

🖥 Server: 127.0.0.1 » 🗄 Database: lab » 📰 Table: Deposit

📋 Browse 📐 Structure 🗔 SQL 🔍 Search ➡ Insert 📤 Export 📥 Import

Show query box

✔️ Showing rows 0 - 8 (9 total, Query took 0.0021 seconds.)

select ACTNO,AMOUNT from Deposit

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

+ Options

		ACTNO	AMOUNT
☐	🖊 Edit ⧉ Copy ⊖ Delete	D100	1000.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D101	500.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D102	3500.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D104	1200.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D105	3000.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D106	2000.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D107	1000.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D108	5000.00
☐	🖊 Edit ⧉ Copy ⊖ Delete	D109	7000.00

⬑ ☐ Check all With selected: 🖊 Edit ⧉ Copy ⊖ Delete 📤 Export

☐ Show all | Number of

```
SELECT CNAME FROM customer
```

Show all | Number of rows: 25 ▾

+ Options

	CNAME
☐ 🖉 Edit ⬚ Copy ⊖ Delete	ANIL
☐ 🖉 Edit ⬚ Copy ⊖ Delete	KRANTI
☐ 🖉 Edit ⬚ Copy ⊖ Delete	MADHURI
☐ 🖉 Edit ⬚ Copy ⊖ Delete	MANDAR
☐ 🖉 Edit ⬚ Copy ⊖ Delete	MEHUL
☐ 🖉 Edit ⬚ Copy ⊖ Delete	NAREN
☐ 🖉 Edit ⬚ Copy ⊖ Delete	PRAMOD
☐ 🖉 Edit ⬚ Copy ⊖ Delete	SANDIP
☐ 🖉 Edit ⬚ Copy ⊖ Delete	SHIVANI
☐ 🖉 Edit ⬚ Copy ⊖ Delete	SUNIL

✔ Showing rows 0 - 8 (9 total, Query took 0.0027 seconds.)

```
SELECT CNAME,ACTNO FROM deposit
```

Show all | Number of rows: 25 ▾   Filter rows

+ Options

	CNAME	ACTNO
☐ 🖉 Edit ⬚ Copy ⊖ Delete	ANIL	D100
☐ 🖉 Edit ⬚ Copy ⊖ Delete	KRANTI	D108
☐ 🖉 Edit ⬚ Copy ⊖ Delete	MADHURI	D104
☐ 🖉 Edit ⬚ Copy ⊖ Delete	MANDAR	D109
☐ 🖉 Edit ⬚ Copy ⊖ Delete	MEHUL	D102
☐ 🖉 Edit ⬚ Copy ⊖ Delete	PRAMOD	D105
☐ 🖉 Edit ⬚ Copy ⊖ Delete	SANDIP	D106
☐ 🖉 Edit ⬚ Copy ⊖ Delete	SHIVANI	D107
☐ 🖉 Edit ⬚ Copy ⊖ Delete	SUNIL	D101

✅ Showing rows 0 - 8 (9 total, Query took 0.0025 seconds.)

```sql
SELECT BNAME FROM branch
```

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

+ Options

←T→				BNAME
☐	🖊 Edit	⧉ Copy	⊖ Delete	AJNI
☐	🖊 Edit	⧉ Copy	⊖ Delete	ANDHERI
☐	🖊 Edit	⧉ Copy	⊖ Delete	CHANDNI
☐	🖊 Edit	⧉ Copy	⊖ Delete	DHARAMPETH
☐	🖊 Edit	⧉ Copy	⊖ Delete	KAROLBAGH
☐	🖊 Edit	⧉ Copy	⊖ Delete	MG ROAD
☐	🖊 Edit	⧉ Copy	⊖ Delete	NEHRU PALACE
☐	🖊 Edit	⧉ Copy	⊖ Delete	POWAI
☐	🖊 Edit	⧉ Copy	⊖ Delete	VRCE

Showing rows 0 - 5 (6 total, Query took 0.0021 sec

`select CNAME from BORROW`

Show all | Number of rows: 25

+ Options

				CNAME
☐	Edit	Copy	Delete	ANIL
☐	Edit	Copy	Delete	KRANTI
☐	Edit	Copy	Delete	MADHURI
☐	Edit	Copy	Delete	MEHUL
☐	Edit	Copy	Delete	PRAMOD
☐	Edit	Copy	Delete	SUNIL

Showing rows 0 - 1 (2 total, Query took 0.0034 seconds.)

`select CNAME from CUSTOMER where CITY='NAGPUR'`

Show all | Number of rows: 25   Filter rows:

- Options

				CNAME
☐	Edit	Copy	Delete	MADHURI
☐	Edit	Copy	Delete	PRAMOD

```
select CNAME from Deposit where AMOUNT>4000
```

Show all | Number of rows: 25 ∨ | Filter

+ Options

←T→	**CNAME**
☐ 🖉 Edit 📋 Copy 🚫 Delete	KRANTI
☐ 🖉 Edit 📋 Copy 🚫 Delete	MANDAR

```
select ADATE from Deposit where CNAME='ANIL'
```

Show all | Number of rows: 25 ∨ | Filter rows: Se

+ Options

←T→	**ADATE**
☐ 🖉 Edit 📋 Copy 🚫 Delete	1995-07-21

```
select CNAME from BORROW where LOANNO='L206'
```

Show all | Number of rows: 25 ∨ | Filter row

Options

←T→	**CNAME**
☐ 🖉 Edit 📋 Copy 🚫 Delete	MEHUL

```
select CNAME from Deposit where BNAME='VRCE'
```

Show all | Number of rows: 25 ∨ Filter ro

Options

←T→ **CNAME**

☐ 🖉 Edit ᠅ Copy ⊖ Delete ANIL

```
select BNAME from BRANCH where CITY='DELHI'
```

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

+ Options

←T→ **BNAME**

☐ 🖉 Edit ᠅ Copy ⊖ Delete CHANDNI

☐ 🖉 Edit ᠅ Copy ⊖ Delete KAROLBAGH

☐ 🖉 Edit ᠅ Copy ⊖ Delete NEHRU PALACE

```
select CNAME from Deposit where ADATE='2001-02-22'
```

Show all | Number of rows: 25 ∨ Filter rows: Search th

Options

←T→ **CNAME**

☐ 🖉 Edit ᠅ Copy ⊖ Delete PRAMOD

```
select CITY from BRANCH where BNAME='KAROLBAGH'
```

Show all | Number of rows: 25 ∨   Filter rows

+ Options

←T→	CITY
☐ 🖉 Edit ⬛ Copy ⊖ Delete	DELHI

```
select * from Deposit where CNAME='ANIL'
```

Show all | Number of rows: 25 ∨   Filter rows: [Search this table]

+ Options

←T→ ▽	ACTNO	CNAME	BNAME	AMOUNT	ADATE
☐ 🖉 Edit ⬛ Copy ⊖ Delete	D100	ANIL	VRCE	1000.00	1995-07-21

Experiment 3

CREATE TABLE emp(empno int(10) PRIMARY KEY,ename CHAR (10),hiredate date,salary int)

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

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

+ Options

	empno	ename	hiredate	salary	commission
☐ Edit Copy Delete	101	Remesh	1999-02-11	5000	0
☐ Edit Copy Delete	102	ajay	2000-03-12	5000	500
☐ Edit Copy Delete	103	ravi	2001-04-12	1500	0
☐ Edit Copy Delete	104	nikesh	2002-06-25	3000	700
☐ Edit Copy Delete	105	ravi	2010-09-19	3000	0

☐ Check all   With selected: ✏ Edit   Copy   ⊖ Delete   Export

alter tabe emp add sal numeric(7,2);

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

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

Options

	empno	ename	hiredate	salary	commission	sal
☐ Edit Copy Delete	101	Remesh	1999-02-11	5000	0	NULL
☐ Edit Copy Delete	102	ajay	2000-03-12	5000	500	NULL
☐ Edit Copy Delete	103	ravi	2001-04-12	1500	0	NULL
☐ Edit Copy Delete	104	nikesh	2002-06-25	3000	700	NULL
☐ Edit Copy Delete	105	ravi	2010-09-19	3000	0	NULL

☐ Check all   With selected: ✏ Edit   Copy   ⊖ Delete   Export

alter tabe emp drop sal ;

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

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

- Options

		empno	ename	hiredate	salary	commission
☐	🖊 Edit 📋 Copy 🚫 Delete	101	Remesh	1999-02-11	5000	0
☐	🖊 Edit 📋 Copy 🚫 Delete	102	ajay	2000-03-12	5000	500
☐	🖊 Edit 📋 Copy 🚫 Delete	103	ravi	2001-04-12	1500	0
☐	🖊 Edit 📋 Copy 🚫 Delete	104	nikesh	2002-06-25	3000	700
☐	🖊 Edit 📋 Copy 🚫 Delete	105	ravi	2010-09-19	3000	0

ALTER TABLE emp MODIFY ename char(15)

RENAME emp TO emp1

```
SELECT * FROM `emp1`
```

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

+ Options

		empno	ename	hiredate	salary	commission
☐	🖊 Edit 📋 Copy 🚫 Delete	101	Remesh	1999-02-11	5000	0
☐	🖊 Edit 📋 Copy 🚫 Delete	102	ajay	2000-03-12	5000	500
☐	🖊 Edit 📋 Copy 🚫 Delete	103	ravi	2001-04-12	1500	0
☐	🖊 Edit 📋 Copy 🚫 Delete	104	nikesh	2002-06-25	3000	700
☐	🖊 Edit 📋 Copy 🚫 Delete	105	ravi	2010-09-19	3000	0

TRUNCATE TABLE emp1;

drop table emp;

CREATE TABLE stud (sname varchar(20) PRIMARY KEY,rollno int(10) NOT NULL,
dob date NOT NULL)

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	sname 🔑	varchar(20)	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	▾
☐	2	rollno	int(10)			No	None			🖉 Change	⊖ Drop	▾
☐	3	dob	date			No	None			🖉 Change	⊖ Drop	▾

CREATE TABLE student (regno int(6),mark int(3) CHECK (mark>=0 and
mark<=100))

Server: 127.0.0.1 » Database: lab » Table: student

Browse	Structure	SQL	Search	Insert	Export	Import	Privile

Table structure   Relation view

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	regno	int(6)			Yes	NULL			🖉 Change	⊖ Drop	▾ More
☐	2	mark	int(3)			Yes	NULL			🖉 Change	⊖ Drop	▾ More

CREATE TABLE cust(custid int(6) UNIQUE,name CHAR(10))

Server: 127.0.0.1 » Database: lab » Table: cust

Browse	Structure	SQL	Search	Insert	Export	Import	Privileges	Operation

Table structure   Relation view

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	custid 🔑	int(6)			Yes	NULL			🖉 Change	⊖ Drop	▾ More
☐	2	name	char(10)	utf8mb4_general_ci		Yes	NULL			🖉 Change	⊖ Drop	▾ More