## **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');

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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');
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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');
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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)

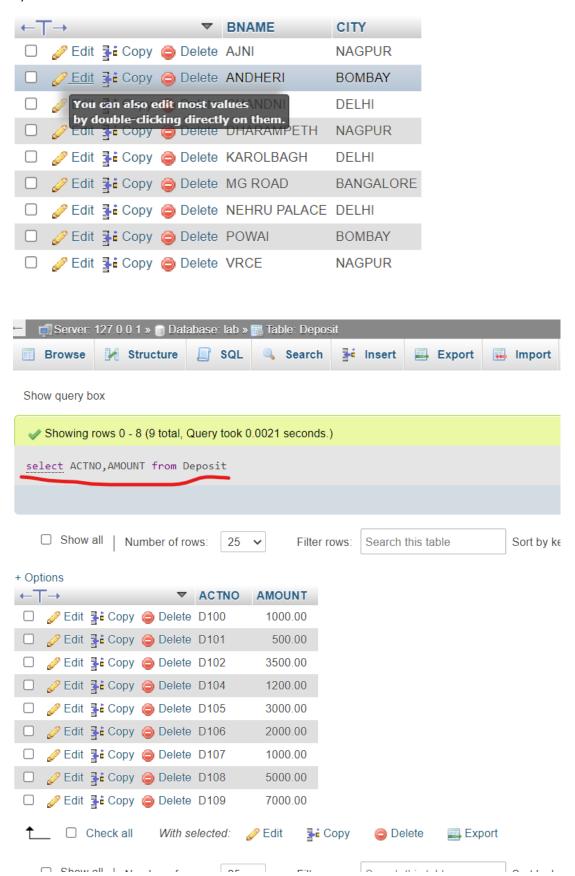
←∏	_→		$\overline{}$	ACTNO	CNAME	BNAME	AMOUNT	ADATE
	🥜 Edit	<b>≩</b> в Сору	Delete	D100	ANIL	VRCE	1000.00	1995-07-21
	<i></i> € Edit	<b>≩</b> € Copy	Delete	D101	SUNIL	AJNI	500.00	1998-04-11
	🥜 Edit	<b>3</b> € Сору	Delete	D102	MEHUL	KAROLBAGH	3500.00	1999-12-15
	<i></i> €dit	<b>3</b> € Copy	Delete	D104	MADHURI	CHANDNI	1200.00	2000-04-18
	🥜 Edit	<b>≩</b> € Сору	Delete	D105	PRAMOD	MG ROAD	3000.00	2001-02-22
	<i></i> €dit	<b>≩</b> € Copy	Delete	D106	SANDIP	ANDHERI	2000.00	2020-12-02
	🥜 Edit	<b>3</b> € Copy	Delete	D107	SHIVANI	DHARAMPETH	1000.00	2015-05-05
	<i></i> € Edit	<b>≩</b> € Copy	Delete	D108	KRANTI	NEHRU PALACE	5000.00	2008-08-18
	🧷 Edit	<b>≩</b> в Сору	Delete	D109	MANDAR	POWAI	7000.00	2019-09-19

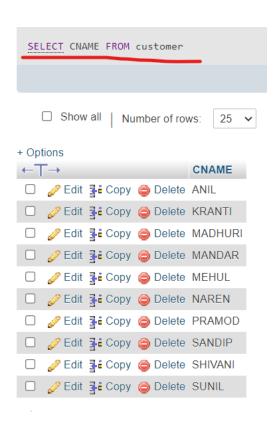
### 2)

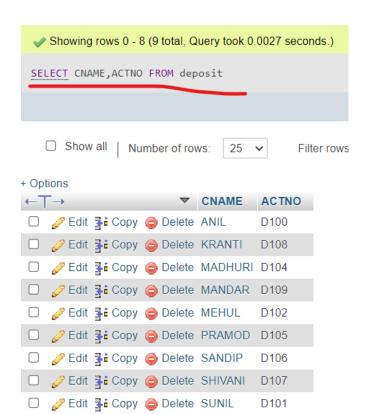
←Ţ	_		$\nabla$	LOANNO	CNAME	BNAME	AMOUNT
	🥜 Edit	<b>∄</b> Сору	Delete	L201	ANIL	VRCE	1000.00
	<i></i> € Edit	<b>∄</b> € Copy	Delete	L206	MEHUL	AJNI	5000.00
	🥜 Edit	<b>≩</b> € Copy	Delete	L311	SUNIL	DHARAMPETH	3000.00
	<i>⊘</i> Edit	<b>∄</b> € Copy	Delete	L321	MADHURI	ANDHERI	2000.00
	🥜 Edit	<b>∄</b> € Copy	Delete	L371	PRAMOD	POWAI	8000.00
	🥜 Edit	<b>≩</b> € Copy	Delete	L481	KRANTI	NEHRU PALACE	3000.00

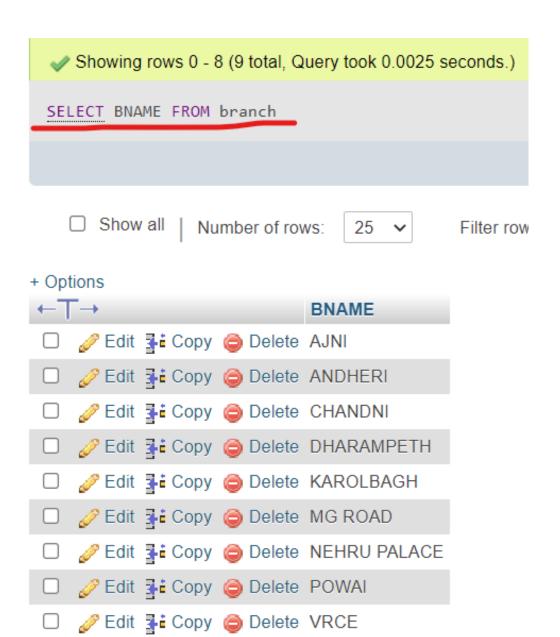
3)

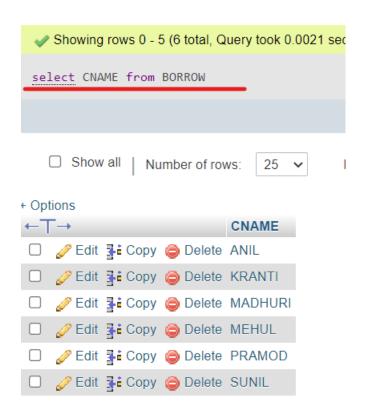
←Ţ	_→		$\neg$	CNAME	CITY
	🥜 Edit	<b>∄</b> Copy	<u>Delete</u>	ANIL	CALCUTTA
	<i></i> €dit	<b>∄</b> Copy	Delete	KRANTI	BOMBAY
	🥜 Edit	<b>≩</b> € Copy	Delete	MADHURI	NAGPUR
	<i></i> € Edit	<b>≩</b> € Сору	Delete	MANDAR	PATNA
	🥜 Edit	<b>≩</b> € Copy	Delete	MEHUL	BARODA
	<i>⊘</i> Edit	<b>≩</b> € Сору	Delete	NAREN	BOMBAY
	🥜 Edit	<b>≩</b> € Copy	Delete	PRAMOD	NAGPUR
		<b>≩</b> € Сору	Delete	SANDIP	SURAT
	<i></i> € Edit	<b>≩</b> € Copy	Delete	SHIVANI	BOMBAY
	<i></i> € Edit	<b>≩</b> € Copy	Delete	SUNIL	DELHI



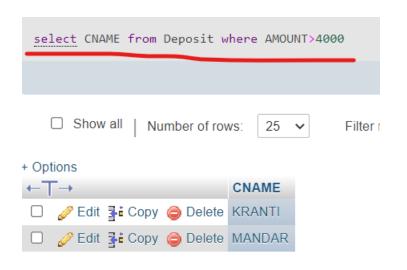






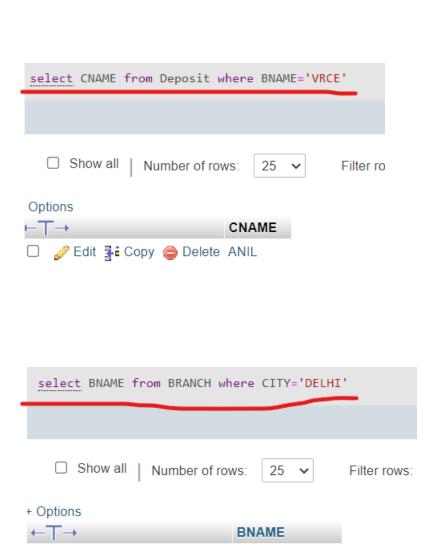








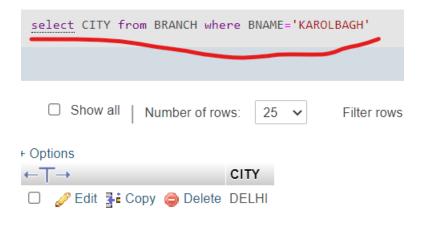


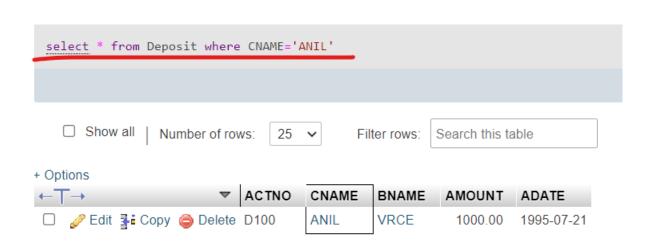


□ Ø Edit ¾ Copy ⊜ Delete KAROLBAGH

☐ Ø Edit ☐ Copy ☐ Delete NEHRU PALACE

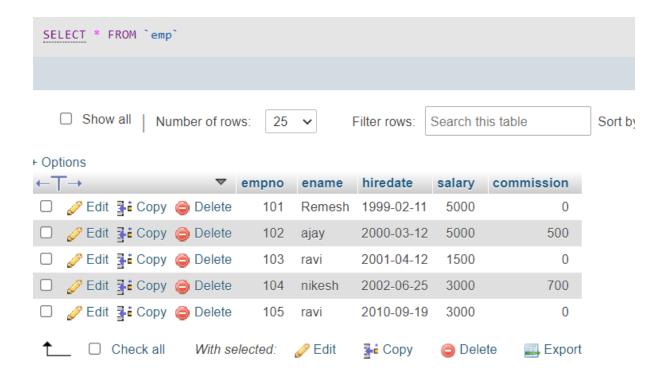




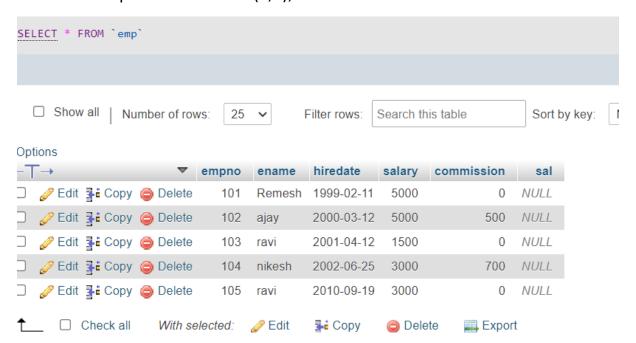


## **Experiment 3**

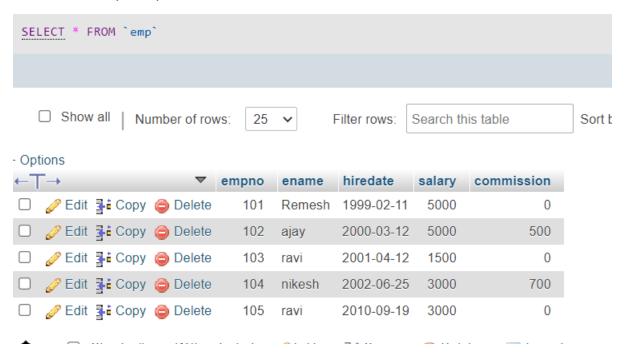
CREATE TABLE emp(empno int(10) PRIMARY KEY, ename CHAR (10), hiredate date, salary int)



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

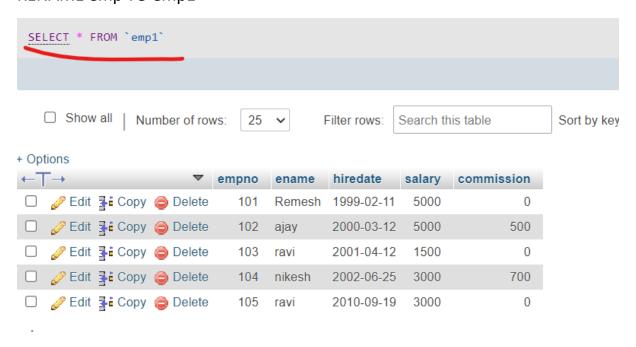


#### alter tabe emp drop sal;



#### ALTER TABLE emp MODIFY ename char(15)

#### RENAME emp TO emp1



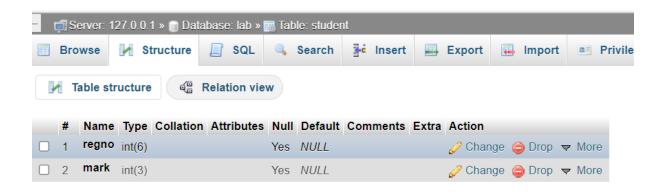
#### TRUNCATE TABLE emp1;

drop table emp;

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



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



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

