

EXPERIMENT 1

DATABASE: DB1

CREATE DATABASE DB1;

USE DB1;

TABLE: BRANCH

CREATE TABLE BRANCH(BNAME VARCHAR(20) PRIMARY KEY,
CITY VARCHAR(30) NOT NULL);

INSERT INTO BRANCH VALUES("VRCE","NAGPUR");

INSERT INTO BRANCH VALUES("AJNI","NAGPUR");

INSERT INTO BRANCH VALUES("KAROLBAGH","DELHI");

INSERT INTO BRANCH VALUES("CHANDNI","DELHI");

INSERT INTO BRANCH VALUES("DHARAMPETH","NAGPUR");

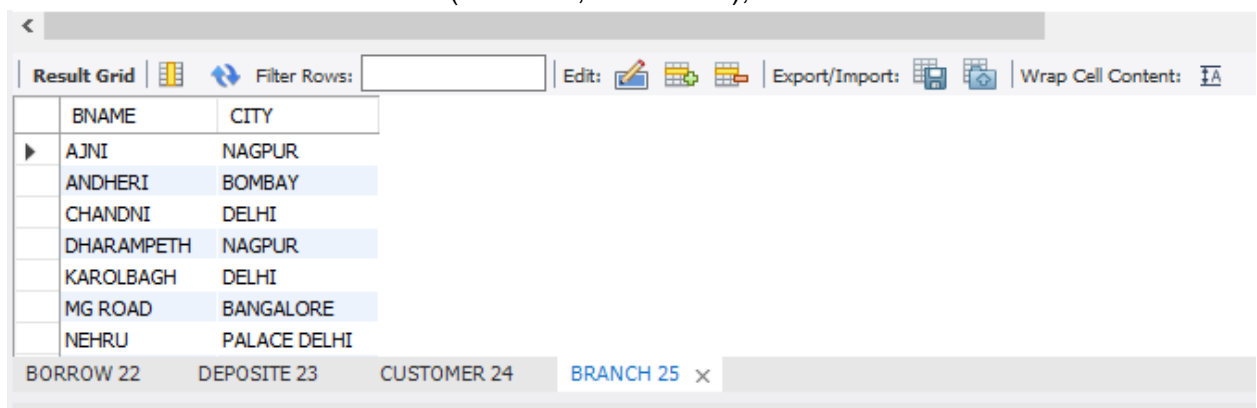
INSERT INTO BRANCH VALUES("MG ROAD","BANGALORE");

SELECT * FROM BRANCH;

INSERT INTO BRANCH VALUES("ANDHERI","BOMBAY");

INSERT INTO BRANCH VALUES("NEHRU","PALACE DELHI");

INSERT INTO BRANCH VALUES("POWAI","BOMBAY");



The screenshot shows a database management interface with a toolbar at the top containing icons for Result Grid, Filter Rows, Edit, Export/Import, and Wrap Cell Content. Below the toolbar is a table with two columns: BNAME and CITY. The table contains the following data rows:

BNAME	CITY
AJNI	NAGPUR
ANDHERI	BOMBAY
CHANDNI	DELHI
DHARAMPETH	NAGPUR
KAROLBAGH	DELHI
MG ROAD	BANGALORE
NEHRU	PALACE DELHI

At the bottom of the interface, there are tabs for BORROW 22, DEPOSIT 23, CUSTOMER 24, and BRANCH 25 (which is currently selected).

TABLE: CUSTOMER

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

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");

SELECT * FROM CUSTOMER;

CNAME	CITY
ANIL	CALCUTTA
KRANTI	BOMBAY
MADHURI	NAGPUR
MANDAR	PATNA
MEHUL	BARODA
NAREN	BOMBAY
PRAMOD	NAGPUR

BORROW 22 DEPOSIT 23 CUSTOMER 24 x BRANCH 25

TABLE: DEPOSITE

```
CREATE TABLE DEPOSITE(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 FLOAT NOT NULL CHECK( AMOUNT!=0),ADATE DATE);
INSERT INTO DEPOSITE VALUES('D100','ANIL','VRCE',1,'1995-03-01');
INSERT INTO DEPOSITE VALUES('D101','SUNIL','AJNI',500.00,'1996-01-04');
INSERT INTO DEPOSITE VALUES('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-17');
INSERT INTO DEPOSITE VALUES('D104','MADHURI','CHANDNI',1200.00,'1995-12-17');
INSERT INTO DEPOSITE VALUES('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27');
INSERT INTO DEPOSITE VALUES('D106','SANDIP','ANDHERI',2000.00,'1996-03-31');
INSERT INTO DEPOSITE VALUES('D107','SHIVANI','DHARAMPETH',1000.00,'1995-09-05');
INSERT INTO DEPOSITE VALUES('D108','KRANTI','NEHRU',5000.00,'1995-07-02');
INSERT INTO DEPOSITE VALUES('D109','MANDAR','POWAI',7000.00,'1995-08-10');
```

ACTNO	CNAME	BNAME	AMOUNT	ADATE
D100	ANIL	VRCE	1	1995-03-01
D101	SUNIL	AJNI	500	1996-01-04
D102	MEHUL	KAROLBAGH	3500	1995-11-17
D104	MADHURI	CHANDNI	1200	1995-12-17
D105	PRAMOD	MG ROAD	3000	1996-03-27
D106	SANDIP	ANDHERI	2000	1996-03-31
D107	SHIVANI	DHARAMPETH	1000	1995-09-05

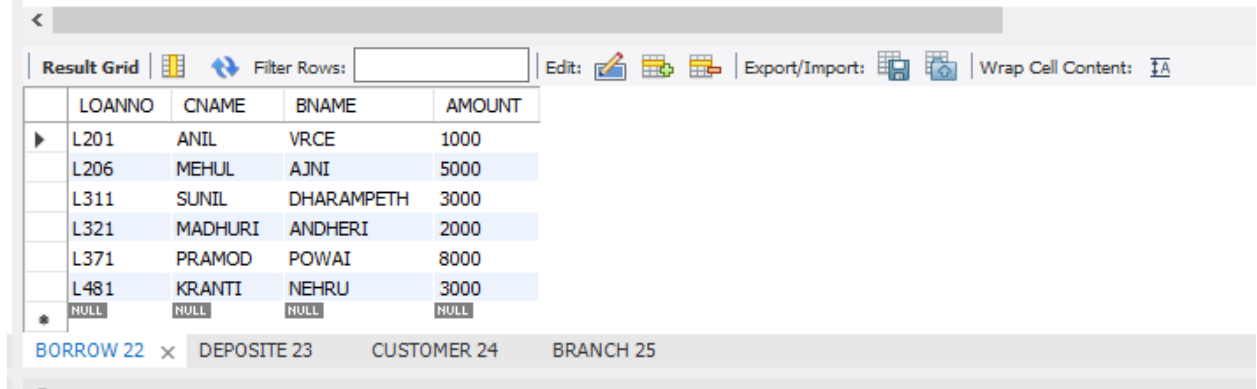
BORROW 22 DEPOSITE 23 x CUSTOMER 24 BRANCH 25

TABLE: BORROW

```
CREATE TABLE BORROW(LOANNO VARCHAR(8) PRIMARY KEY CHECK(LOANNO LIKE 'L%'),
CNAME VARCHAR(15),FOREIGN KEY(CNAME) REFERENCES CUSTOMER(CNAME),
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BNAME VARCHAR(20),FOREIGN KEY(BNAME) REFERENCES BRANCH(BNAME),
AMOUNT FLOAT NOT NULL CHECK(AMOUNT!=0));

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','POWAI',8000.00);
INSERT INTO BORROW VALUES('L481','KRANTI','NEHRU',3000.00);



	LOANNO	CNAME	BNAME	AMOUNT
▶	L201	ANIL	VRCE	1000
	L206	MEHUL	AJNI	5000
	L311	SUNIL	DHARAMPETH	3000
	L321	MADHURI	ANDHERI	2000
	L371	PRAMOD	POWAI	8000
	L481	KRANTI	NEHRU	3000
*	NULL	NULL	NULL	NULL

BORROW 22 × DEPOSITE 23 CUSTOMER 24 BRANCH 25