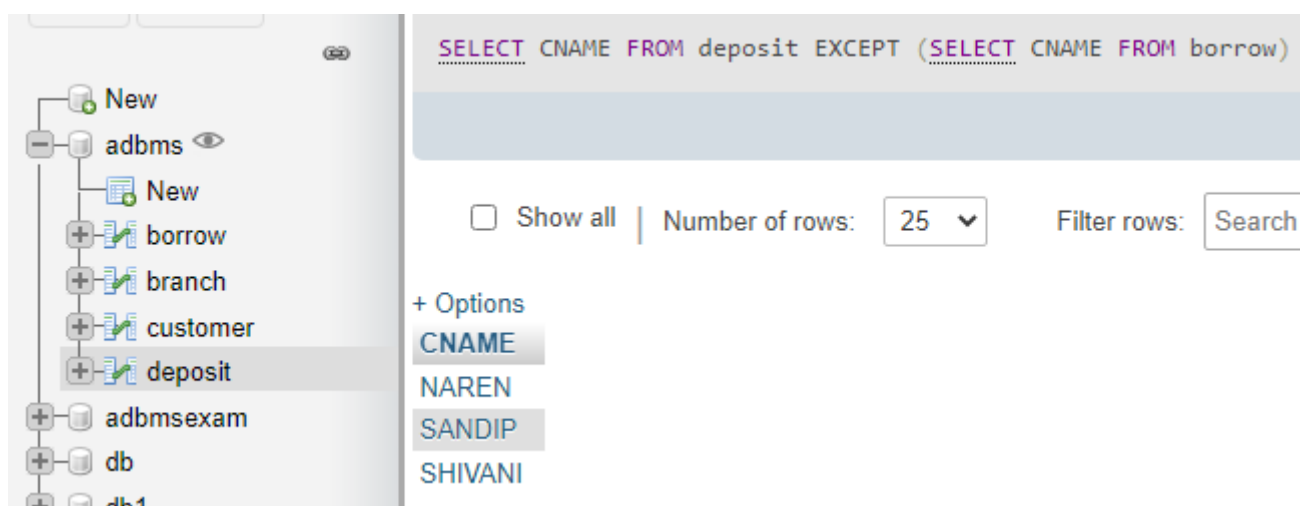


EXPERIMENT 10: VIEWS

1. List all the customers who are depositors but not borrowers.**QUERY**

```
SELECT CNAME FROM deposit EXCEPT (SELECT CNAME FROM borrow);
```

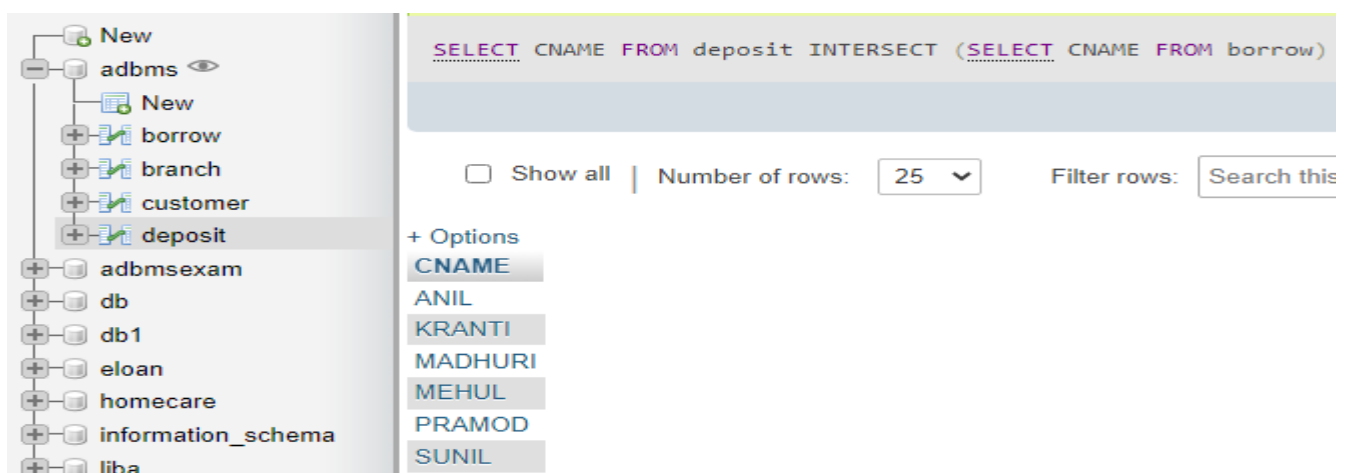
OUTPUT

The screenshot shows a database management system interface. On the left is a tree view of the database structure, with 'deposit' selected. On the right, a query editor displays the SQL query: `SELECT CNAME FROM deposit EXCEPT (SELECT CNAME FROM borrow);`. Below the query editor, there are controls for 'Show all', 'Number of rows' (set to 25), and 'Filter rows' (with a search box). The results are displayed in a table with the following data:

CNAME
NAREN
SANDIP
SHIVANI

2. List all the customers who are both depositors and borrowers**QUERY**

```
SELECT CNAME FROM deposit INTERSECT (SELECT CNAME FROM borrow);
```

OUTPUT

The screenshot shows a database management system interface. On the left is a tree view of the database structure, with 'deposit' selected. On the right, a query editor displays the SQL query: `SELECT CNAME FROM deposit INTERSECT (SELECT CNAME FROM borrow);`. Below the query editor, there are controls for 'Show all', 'Number of rows' (set to 25), and 'Filter rows' (with a search box). The results are displayed in a table with the following data:

CNAME
ANIL
KRANTI
MADHURI
MEHUL
PRAMOD
SUNIL

3. List all the depositors having deposit in all the branches where Sunil is having Account

QUERY

SELECT D1.CNAME FROM deposit D1 WHERE D1.BNAME IN (SELECT D2.BNAME FROM deposit D2 WHERE D2.CNAME="SUNIL");

OUTPUT

The screenshot shows a database management tool interface. On the left, a tree view displays the database structure with 'deposit' selected. The main area shows the SQL query: `SELECT D1.CNAME FROM deposit D1 WHERE D1.BNAME IN (SELECT D2.BNAME FROM deposit D2 WHERE D2.CNAME="SUNIL")`. Below the query, there are controls for 'Show all', 'Number of rows' (set to 25), and 'Filter rows'. The output table has one row with the name 'SUNIL'.

CNAME
SUNIL

4. List all the customers living in city NAGPUR and having branch city BOMBAY or DELHI

QUERY

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');

OUTPUT

The screenshot shows the same database management tool interface. The SQL query is: `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')`. The output table has one row with the name 'MADHURI'.

CNAME
MADHURI

5. List all the depositors living in city NAGPUR

QUERY

SELECT DISTINCT(customer.CNAME)FROM deposit,customer WHERE CITY="NAGPUR";

OUTPUT

The screenshot shows the database management tool interface. The SQL query is: `SELECT DISTINCT(customer.CNAME)FROM deposit,customer WHERE CITY="NAGPUR"`. The output table has two rows with the names 'MADHURI' and 'PRAMOD'.

CNAME
MADHURI
PRAMOD

6. List all the depositors living in the city NAGPUR and having branch in city BOMBAY

QUERY

```
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');
```

OUTPUT

The screenshot shows a database management tool interface. On the left is a tree view with nodes: adbms, New, borrow, branch, customer, deposit, adbmsexam, and db. The 'customer' node is selected. The main area displays a SQL query: `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')`. Below the query, there is a table with one column header 'CNAME'. A tooltip 'Query results operations' is visible over the table area. At the bottom right of the query editor, there are links: Profiling, Edit inline, Edit, Explain SQL, and Create PHP code.

7. List the branch cities of Anil and Sunil

QUERY

```
SELECT B1.CITY FROM deposit D1,branch B1 WHERE D1.BNAME=B1.BNAME AND D1.CNAME IN ('SUNIL','ANIL');
```

OUTPUT

The screenshot shows a database management tool interface. On the left is a tree view with nodes: adbms, New, borrow, branch, customer, deposit, adbmsexam, db, db1, eload, and homecare. The 'branch' node is selected. The main area displays a SQL query: `SELECT B1.CITY FROM deposit D1,branch B1 WHERE D1.BNAME=B1.BNAME AND D1.CNAME IN ('SUNIL','ANIL')`. Below the query, there is a table with one column header 'CITY'. The table contains two rows, both with the value 'NAGPUR'. Each row has a checkbox, an 'Edit' button, a 'Copy' button, and a 'Delete' button. Above the table, there are controls: 'Show all', 'Number of rows: 25', and 'Filter rows: Search this table'. Below the table, there is a '+ Options' section with a table icon and a 'CITY' header.

8. List the customers having deposit greater than 1000 and loan less than 10000.

QUERY

```
SELECT DISTINCT D1.CNAME FROM deposit D1,borrow B1 WHERE D1.AMOUNT>1000 AND B1.AMOUNT<10000;
```

OUTPUT

The screenshot shows a database management tool interface. On the left is a tree view of the database structure. The main area displays a SQL query: `SELECT DISTINCT D1.CNAME FROM deposit D1,borrow B1 WHERE D1.AMOUNT>1000 AND B1.AMOUNT<10000`. Below the query, there are controls for 'Show all', 'Number of rows' (set to 25), and a 'Filter rows' search box. The results are displayed in a table with one column, 'CNAME', containing six names: MEHUL, MADHURI, PRAMOD, SANDIP, KRANTI, and NAREN. Each row has icons for 'Edit', 'Copy', and 'Delete'.

CNAME
MEHUL
MADHURI
PRAMOD
SANDIP
KRANTI
NAREN

9. List the cities of depositors having branch VRCE.

QUERY

```
SELECT B1.CITY FROM deposit D1,branch B1 WHERE D1.BNAME=B1.BNAME AND B1.BNAME='VRCE';
```

OUTPUT

The screenshot shows a database management tool interface. On the left is a tree view of the database structure. The main area displays a SQL query: `SELECT B1.CITY FROM deposit D1,branch B1 WHERE D1.BNAME=B1.BNAME AND B1.BNAME='VRCE'`. Below the query, there are controls for 'Show all', 'Number of rows' (set to 25), and a 'Filter rows' search box. The results are displayed in a table with one column, 'CITY', containing one name: NAGPUR. Each row has icons for 'Edit', 'Copy', and 'Delete'.

CITY
NAGPUR

10. List the depositors having amount less than 1000 and living in the same city as Anil

QUERY

/*error*/

OUTPUT

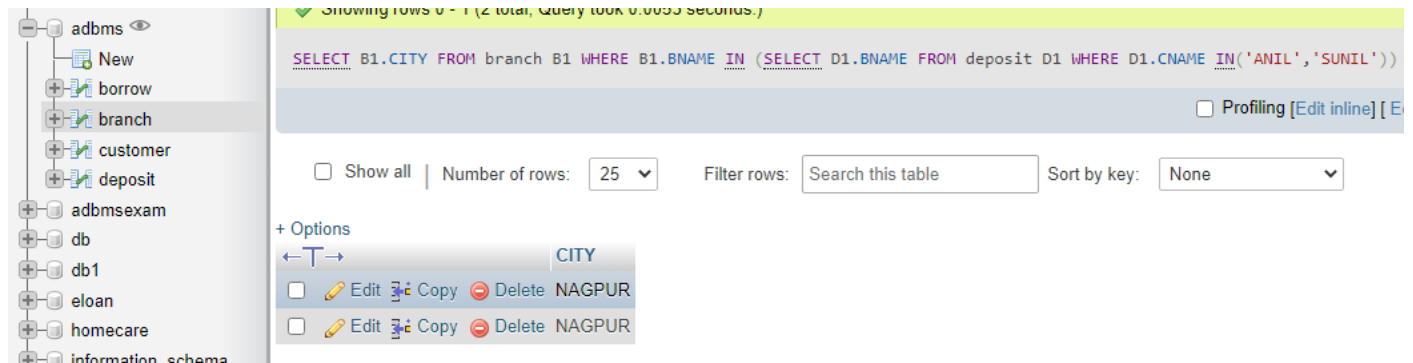
/*error*/

11. List all the cities where branches of Anil and Sunil are locate

QUERY

SELECT B1.CITY FROM branch B1 WHERE B1.BNAME IN (SELECT D1.BNAME FROM deposit D1 WHERE D1.CNAME IN('ANIL','SUNIL'));

OUTPUT



Showing rows 0 - 1 (2 total, query took 0.0033 seconds.)

```
SELECT B1.CITY FROM branch B1 WHERE B1.BNAME IN (SELECT D1.BNAME FROM deposit D1 WHERE D1.CNAME IN('ANIL','SUNIL'))
```

☐ Profiling [Edit inline] [E]

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

+ Options


	CITY
<input type="checkbox"/> Edit Copy Delete	NAGPUR
<input type="checkbox"/> Edit Copy Delete	NAGPUR

12. List the amount for the depositors living in the city where Anil is living

QUERY

SELECT DISTINCT(D1.CNAME),D1.AMOUNT,C1.CITY FROM deposit D1, customer C1, branch B1 WHERE D1.CNAME=C1.CNAME AND C1.CITY IN(SELECT C2.CITY FROM customer C2 WHERE C2.CNAME="ANIL");

OUTPUT



```
SELECT DISTINCT(D1.CNAME),D1.AMOUNT,C1.CITY FROM deposit D1, customer C1, branch B1 WHERE D1.CNAME=C1.CNAME AND C1.CITY IN(SELECT C2.CITY FROM customer C2 WHERE C2.CNAME="ANIL")
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

CNAME	AMOUNT	CITY
ANIL	1000.00	CALCUTTA