

ADVANCED DATABASE MANAGEMENT SYSTEM**Name: Abin Sunil****Roll No: 1****Batch: MCA-B****Date: 06/05/2022****Experiment No: 6****Aim**

To familiarize with join or cartesian product

Question

1. Give name of customers having living city BOMBAY and branch city NAGPUR
2. Give names of customers having the same living city as their branch city
3. Give names of customers who are borrowers as well as depositors and having city NAGPUR.
4. Give names of borrowers having deposit amount greater than 1000 and loan amount greater than 2000.
5. Give names of depositors having the same branch as the branch of Sunil
6. Give names of borrowers having loan amount greater than the loan amount of Pramod
7. Give the name of the customer living in the city where branch of depositor Sunil is located.
8. Give branch city and living city of Pramod
9. Give branch city of Sunil and branch city of Anil
10. Give the living city of Anil and the living city of Sunil

Procedure

1.

```
SELECT D1.CNAME,D1.BNAME,C1.CNAME,C1.CITY,B1.CITY,B1.BNAME  
FROM DEPOSIT D1,CUSTOMER2 C1,BRANCH B1 WHERE C1.CITY = 'BOMBAY' AND  
B1.CITY = 'NAGPUR' AND D1.CNAME = C1.CNAME AND D1.BNAME = B1.BNAME;
```

2.

```
SELECT distinct(customer2.CNAME), BRANCH.CITY FROM BRANCH, customer2  
WHERE BRANCH.city = customer2.city;
```

3.

```
SELECT C1.CNAME FROM CUSTOMER2 C1,DEPOSIT D1,BORROW B1 WHERE  
C1.CITY='NAGPUR' AND C1.CNAME=D1.CNAME AND D1.CNAME =  
B1.CNAME;
```

4.

```
SELECT BR1.CNAME, BR1.AMOUNT, D1.CNAME, D1.AMOUNT FROM  
BORROW BR1,DEPOSIT D1 WHERE D1.CNAME = BR1.CNAME AND  
D1.AMOUNT >1000 AND BR1.AMOUNT > 2000;
```

5.

```
SELECT D1.CNAME FROM DEPOSIT D1 WHERE D1.BNAME IN (SELECT  
D2.BNAME FROM DEPOSIT D2 WHERE D2.CNAME = 'SUNIL');
```

6.

```
SELECT BR1.CNAME,BR1.AMOUNT FROM BORROW BR1 WHERE  
BR1.AMOUNT > ALL (SELECT BR2.AMOUNT FROM BORROW BR2 WHERE  
BR2.CNAME = 'PRAMOD');
```

7.

```
SELECT C.CNAME FROM CUSTOMER2 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,CUSTOMER2 C1, DEPOSIT D1  
WHERE C1.CNAME = 'PRAMOD' AND C1.CNAME = D1.CNAME AND  
D1.BNAME =B1.BNAME;
```

9.

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

10.

```
SELECT C1.CNAME, C1.CITY FROM CUSTOMER2 C1 WHERE C1.CNAME =
'ANIL' OR C1.CNAME = 'SUNIL';
```

OUTPUT SCREENSHOT

1.

Result Grid

Filter Rows:

Export:

	CNAME	BNAME	CNAME	CITY	CITY	BNAME
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2.

	CNAME	CITY
▶	KRANTI	BOMBAY
	MADHURI	NAGPUR
	NAREN	BOMBAY
	PRAMOD	NAGPUR
	SHIVANI	BOMBAY
	SUNIL	DELHI

3.

	CNAME
▶	MADHURI
	PRAMOD

4.

	CNAME	AMOUNT	CNAME	AMOUNT
▶	PRAMOD	8000	PRAMOD	3000
	KRANTI	3000	KRANTI	5000

5.

Result Grid	
	CNAME
▶	SUNIL

6.

Result Grid		Filter R _i
	CNAME	AMOUNT

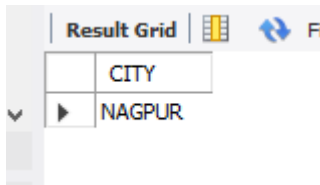
7.

Result Grid		Filter R _i
	CNAME	
*	NULL	

8.

	CITY	CITY
▶	BANGALORE	NAGPUR

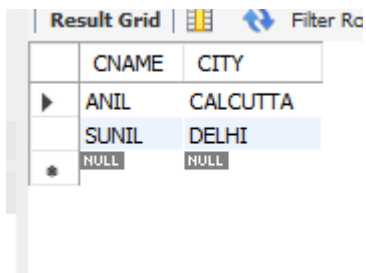
9.



The screenshot shows a 'Result Grid' window with a single column labeled 'CITY'. The first row contains the value 'NAGPUR'. There are navigation icons on the left and top of the grid.

CITY
NAGPUR

10.



The screenshot shows a 'Result Grid' window with two columns labeled 'CNAME' and 'CITY'. The first row contains 'ANIL' and 'CALCUTTA'. The second row contains 'SUNIL' and 'DELHI'. The third row contains 'NULL' and 'NULL'. There are navigation icons on the left and top of the grid.

CNAME	CITY
ANIL	CALCUTTA
SUNIL	DELHI
NULL	NULL