

ASSIGNMENT 2-SELECTING DATA FROM SINGLE TABLE

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ASSIGNMENT

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

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

CREATE TABLE BORROW (LOANNO VARCHAR(8) CHECK (LOANNO LIKE 'L%') PRIMARY KEY,CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME) ,BNAME VARCHAR(20) REFERENCES BRANCH(BNAME),AMOUNT FLOAT(8,2) CHECK (AMOUNT>0) NOT NULL);

CREATE TABLE DEPOSIT (ACTNO VARCHAR(5) CHECK (ACTNO LIKE 'D%') PRIMARY KEY ,CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME) ,BNAME VARCHAR(20) REFERENCES BRANCH(BNAME),AMOUNT FLOAT(8,2) CHECK (AMOUNT>0) NOT NULL, ADATE DATE);

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');

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');

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

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

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

INSERT INTO DEPOSIT VALUES('D100','ANIL','VRCE', 1000.00,'1995-03-1');

INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'1996-01-4');

INSERT INTO DEPOSIT VALUES('D102','MEHUL','KAROLBAGH',3500.00,'1995-11-17');

INSERT INTO DEPOSIT VALUES('D104','MADHURI','CHANDNI',1200.00,'1995-12-17');

INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27');

INSERT INTO DEPOSIT VALUES('D106','SANDIP','ANDHERI',2000.00,'1996-03-31');

INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'1995-09-05');

INSERT INTO DEPOSIT VALUES('D108','KRANTI','NEHRU PALACE',5000.00,'1995-07-02');

INSERT INTO DEPOSIT VALUES('D109','MINU','POWAI',7000.00,'1995-08-10');

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','VIRAR',8000.00);

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

1.List all data from table deposits

```
SELECT*FROM DEPOSIT;
```

ACTNO	CNAME	BNAME	AMOUNT	ADATE
D100	ANIL	VRCE	1000.00	1995-03-01
D101	SUNIL	ANJNI	500.00	1996-01-04
D102	MEHUL	KAROLBAGH	3500.00	1995-11-17
D104	MADHURI	CHANDNI	1200.00	1995-12-17
D105	PRAMOD	MG ROAD	3000.00	1996-03-27
D106	SANDIP	ANDHERI	2000.00	1996-03-31
D107	SHIVANI	VIRAR	1000.00	1995-09-05
D108	KRANTI	NEHRU PLACE	5000.00	1995-07-02
D109	MINU	POWAI	7000.00	1995-08-10

2.List all data from borrow

```
SELECT*FROM BORROW;
```

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

3.List all data from customer

```
SELECT*FROM CUSTOMER;
```

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

4.List all data from branch

```
SELECT*FROM BRANCH;
```

bname	city
VRCE	NAGPUR
AJNI	NAGPUR
KAROLBAGH	DELHI
CHANDNI	DELHI
DHARAMPETH	NAGPUR
MG-ROAD	BANGALORE
ANDHERI	BOMBAY
NEHRU-PALACE	DELHI
POWAI	BOMBAY

5. Give account no and amount of deposit

SELECT ACTNO,AMOUNT FROM DEPOSIT;

ACTNO	AMOUNT
D100	1000.00
D101	500.00
D102	3500.00
D104	1200.00
D105	3000.00
D106	2000.00
D107	1000.00
D108	5000.00
D109	7000.00

6. Give customer name and account no of depositors

SELECT CNAME,ACTNO FROM DEPOSIT;

CNAME	ACTNO
ANIL	D100
SUNIL	D101
MEHUL	D102
MADHURI	D104
PRAMOD	D105
SANDIP	D106
SHIVANI	D107
KRANTI	D108
MINU	D109

7. Give name of customers

SELECT CNAME FROM CUSTOMER;

CNAME

ANIL

KRANTI

MADHURI

MANDAR

MEHUL

NAREN

PRAMOD

SANDIP

SHIVANI

SUNIL

8. Give name of branches

SELECT BNAME FROM BRANCH;

BNAME

VRCE

AJNI

KAROLBAGH

CHANDNI

DHARAMPETH

MG-ROAD

ANDHERI

NEHRU-PALACE

POWAI

9. Give name of borrows

SELECT CNAME FROM BORROW;

CNAME

ANIL

MEHUL

SUNIL

MADHURI

PRAMOD

KRANTI

10. Give names of customer living in city Nagpur

SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';

CNAME

MADHURI

PRAMOD

11. Give names of depositors having amount greater than 4000

Select CNAME from DEPOSIT where AMOUNT>4000;

CNAME

KRANTI

MINU

12. Give account date of Anil

SELECT ADATE FROM DEPOSIT where CNAME='ANIL';

ADATE

1995-03-01

13. Give name of all branches located in Bombay

Select BNAME from BRANCH where CITY='Bombay';

+ Options

BNAME

ANDHERI

POWAI

14. Give name of borrower having loan number L205

Select CNAME from BORROW where LOANNO='L205'

15. Give names of depositors having account at VRCE

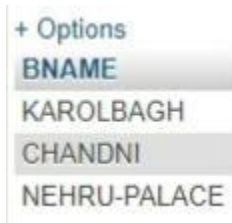
Select CNAME from DEPOSIT WHERE BNAME='VRCE'

CNAME

ANIL

16. Give names of all branches located in city Delhi

Select BNAME from BRANCH WHERE CITY='Delhi'



A screenshot of a database query result. It shows a table with one column, BNAME, containing three rows of data: KAROLBAGH, CHANDNI, and NEHRU-PALACE. Above the table is a header '+ Options' and the column name 'BNAME' is highlighted.

BNAME
KAROLBAGH
CHANDNI
NEHRU-PALACE

17. Give name of the customers who opened account date '1-12-96'

Select CNAME from DEPOSIT WHERE ADATE='1996-12-1'

No data

18. Give account no and deposit amount of customers having account opened between dates '1-12-96' and '1-5-96'

Select ACTNO, AMOUNT from DEPOSIT WHERE ADATE BETWEEN '1996-12-1' AND '1996-05-1'

Empty Result

19. Give name of the city where branch KAROLBAGH is located

Select CITY from BRANCH where BNAME='KAROLBAGH'



A screenshot of a database query result. It shows a table with one column, CITY, containing one row of data: DELHI. Above the table is a header '+ Options' and the column name 'CITY' is highlighted.

CITY
DELHI

20. Give details of customer ANIL

Select * from customer join borrow on customer.cname=borrow.cname join deposit on
Deposit.cname=borrow.cname where customer.cname='ANIL';

+ Options

CNAME	CITY	LOANNO	CNAME	BNAME	AMOUNT	ACTNO	CNAME	BNAME	AMOUNT	ADATE
ANIL	CALCUTTA	L201	ANIL	VRCE	1000.00	D100	ANIL	VRCE	1000.00	1995-03-01