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MCA:S2:42

26/4/2021/--adbms_lab

3. List all data from customer

```
create table CUSTOMER (cname varchar(15),city varchar(20)NOT NULL,PRIMARY KEY(cname));
```

```
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');
```

```
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');
```

```
select * from CUSTOMER;
```

output

The screenshot shows a web browser with the MySQL online editor. The SQL code in the editor is as follows:

```

1 create table CUSTOMER (cname varchar(15),city varchar(20)NOT NULL,PRIMARY KEY(cname));
2 insert into CUSTOMER (cname,city) values ('ANIL','CALCUTTA');
3 insert into CUSTOMER (cname,city) values ('SUNIL','DELHI');
4 insert into CUSTOMER (cname,city) values ('MEHUL','BARODA');
5 insert into CUSTOMER (cname,city) values ('MANDAR','PATNA');
6 insert into CUSTOMER (cname,city) values ('MADHURI','NAGPUR');
7 insert into CUSTOMER (cname,city) values ('PRAMOD','NAGPUR');
8 insert into CUSTOMER (cname,city) values ('SANDIP','SURAT');
9 insert into CUSTOMER (cname,city) values ('SHIVANI','BOMBAY');
10 insert into CUSTOMER (cname,city) values ('KRANTI','BOMBAY');
11 insert into CUSTOMER (cname,city) values ('NAREN','BOMBAY');
12 select * from CUSTOMER;

```

Below the code, it indicates "10 rows" and displays a table with the following data:

cname	city
ANIL	CALCUTTA
KRANTI	BOMBAY
MADHURI	NAGPUR
MANDAR	PATNA
MEHUL	BARODA
NAREN	BOMBAY

The screenshot shows the same MySQL online editor with the following SQL code:

```

2 insert into CUSTOMER (cname,city) values ('ANIL','CALCUTTA');
3 insert into CUSTOMER (cname,city) values ('SUNIL','DELHI');
4 insert into CUSTOMER (cname,city) values ('MEHUL','BARODA');
5 insert into CUSTOMER (cname,city) values ('MANDAR','PATNA');
6 insert into CUSTOMER (cname,city) values ('MADHURI','NAGPUR');
7 insert into CUSTOMER (cname,city) values ('PRAMOD','NAGPUR');
8 insert into CUSTOMER (cname,city) values ('SANDIP','SURAT');
9 insert into CUSTOMER (cname,city) values ('SHIVANI','BOMBAY');
10 insert into CUSTOMER (cname,city) values ('KRANTI','BOMBAY');
11 insert into CUSTOMER (cname,city) values ('NAREN','BOMBAY');
12 select * from CUSTOMER;

```

Below the code, it indicates "10 rows" and displays a table with the following data:

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

```

CREATE TABLE BRANCH12s (BNAME VARCHAR(20) PRIMARY KEY,CITY VARCHAR(30) CHECK
(CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);
INSERT INTO BRANCH12s VALUES ('VRCE','NAGPUR');
INSERT INTO BRANCH12s VALUES ('AJNI','NAGPUR');

```

```

INSERT INTO BRANCH12s VALUES ('KAROLBAGH','DELHI');
INSERT INTO BRANCH12s VALUES ('CHANDNI','DELHI');
INSERT INTO BRANCH12s VALUES ('DHARAMPETH','NAGPUR');
INSERT INTO BRANCH12s VALUES ('MG-ROAD','BANGALORE');
INSERT INTO BRANCH12s VALUES ('ANDHERI','BOMBAY');
INSERT INTO BRANCH12s VALUES ('NEHRU-PALACE','DELHI');
INSERT INTO BRANCH12s VALUES ('POWAI','BOMBAY');

```

```
SELECT * FROM BRANCH12s;
```

output

The screenshot shows a web browser window with the URL `extendsclass.com/mysql-online.html`. The browser has two tabs, both titled "MySQL online - Test SQL queries". The main content area displays a list of SQL queries numbered 14 to 27. The queries include several `INSERT INTO` statements for a table named `BRANCH12s` and a final `SELECT * FROM BRANCH12s;` query. Below the queries, a green bar indicates "9 rows" of output. A table with two columns, `BNAME` and `CITY`, displays the results of the `SELECT` query. The table contains nine rows of data. At the bottom of the browser window, a Windows taskbar is visible with the date and time set to 18:14 on 26-04-2021.

BNAME	CITY
ANIL	NAGPUR
ANDHERI	BOMBAY
CHANDNI	DELHI
DHARAMPETH	NAGPUR
KAROLBAGH	DELHI
MG-ROAD	BANGALORE
NEHRU-PALACE	DELHI
POWAI	BOMBAY
VRCE	NAGPUR

7. Give name of customers

```

CREATE TABLE CUSTOMERs (CNAME VARCHAR(15) PRIMARY KEY ,CITY VARCHAR(20) NOT
NULL);CREATE TABLE DEPOSITs (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 CUSTOMERs VALUES('ANIL','CALCUTTA');
```

```
INSERT INTO CUSTOMERs VALUES('SUNIL','DELHI');
```

```
INSERT INTO CUSTOMERs VALUES('MEHUL','BARODA');
```

```
INSERT INTO CUSTOMERs VALUES('MANDAR','PATNA');
```

```
INSERT INTO CUSTOMERs VALUES('MADHURI','NAGPUR');
```

```
INSERT INTO CUSTOMERs VALUES('PRAMOD','NAGPUR');
```

```

INSERT INTO CUSTOMERs VALUES('SANDIP','SURAT');

INSERT INTO CUSTOMERs VALUES('SHIVANI','BOMBAY');

INSERT INTO CUSTOMERs VALUES('KRANTI','BOMBAY');

INSERT INTO CUSTOMERs VALUES('NAREN','BOMBAY');

SELECT * FROM CUSTOMERs;

```

Output

The screenshot shows a web browser window with the URL `extendsclass.com/mysql-online.html`. The interface includes a 'Database' dropdown, 'Queries', 'Export', 'Share snippet', and a 'Run' button. The SQL editor contains the following queries:

```

3
4 CREATE TABLE DEPOSITs (ACTNO VARCHAR(5) CHECK (ACTNO LIKE 'D%') PRIMARY KEY ,CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME) ,BNAME VARCHAR(20) REFERENCES
5 INSERT INTO CUSTOMERs VALUES('ANIL','CALCUTTA');
6 INSERT INTO CUSTOMERs VALUES('SUNIL','DELHI');
7 INSERT INTO CUSTOMERs VALUES('MEHUL','BARODA');
8 INSERT INTO CUSTOMERs VALUES('MANDAR','PATNA');
9 INSERT INTO CUSTOMERs VALUES('MADHURI','NAGPUR');
10 INSERT INTO CUSTOMERs VALUES('PRAMOD','NAGPUR');
11 INSERT INTO CUSTOMERs VALUES('SANDIP','SURAT');
12 INSERT INTO CUSTOMERs VALUES('SHIVANI','BOMBAY');
13 INSERT INTO CUSTOMERs VALUES('KRANTI','BOMBAY');
14 INSERT INTO CUSTOMERs VALUES('NAREN','BOMBAY');
15 SELECT * FROM CUSTOMERs;
16

```

Below the editor, a green bar indicates '10 rows'. A table displays the results of the SELECT query:

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

9. Give name of borrows

```

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);

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 PLACE','3000.00');

SELECT * FROM BORROW;

```

Output

The screenshot shows a web browser window with the URL `extendsclass.com/mysql-online.html`. The browser's address bar and tabs are visible. Below the browser window, there is a dark-themed interface for a MySQL online SQL editor. The interface includes a top bar with buttons for 'Database', 'Queries', 'Export', 'Share snippet', and 'Run'. The main area contains a text editor with SQL code. The code includes several INSERT statements for a 'BRANCH' table and a 'BORROW' table, followed by a SELECT statement to retrieve all data from the 'BORROW' table. Below the code editor, a green bar indicates '6 rows' of data. A table with 4 columns (LOANNO, CNAME, BNAME, AMOUNT) displays the results of the query. The table contains 6 rows of data. At the bottom of the screenshot, a Windows taskbar is visible with various application icons and the system clock showing 18:03 on 26-04-2021.

```
23 INSERT INTO BRANCH VALUES ('ANDHERI','BOMBAY');
24 INSERT INTO BRANCH VALUES ('NEHRU-PALACE','DELHI');
25 INSERT INTO BRANCH VALUES ('POWAI','BOMBAY');
26
27 SELECT * FROM BRANCH;
28
29
30 INSERT INTO BORROW VALUES ('L201','ANIL','VRCE','1000.00');
31 INSERT INTO BORROW VALUES ('L206','MEHUL','AJNI','5000.00');
32 INSERT INTO BORROW VALUES ('L311','SUNIL','DHARAMPETH','3000.00');
33 INSERT INTO BORROW VALUES ('L321','MADHURI','ANDHERI','2000.00');
34 INSERT INTO BORROW VALUES ('L371','PRAMOD','VIRAR','8000.00');
35 INSERT INTO BORROW VALUES ('L481','KRANTI','NEHRU PLACE','3000.00');
36 SELECT * FROM BORROW;
```

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

10. Give names of customer living in city Nagpur