

[21bcs048@mepcolinux DBMS]\$clear

[21bcs048@mepcolinux DBMS]\$cat DDL

DML COMMANDS

=====

I)INSERTION

=====

1.INSERT VALUES INTO A USER1 TABLE.

SQL COMMAND:

INSERT INTO USER1

VALUES(301,'SRI',9087654321,'sri@gmail.com',2838501,34678262,102,'MADURAI');

OUTPUT:

SELECT * FROM USER1;

USERID	NAME	PHONENO	MAIL	ADHAARID	LICENCENO	TID	ADDRESS
301	SRI	9087654321	sri@gmail.com	2838501	34678262	102	MADURAI
302	BALA	9098754321	bala@gmail.com	6578432	45367892	105	SALEM
303	SURESH	9098751231	suresh@gmail.com	4587234	23676459	104	KARUR
308	JACK	9790654321	jack@gmail.com				MADURAI
306	VICKY	7790654386	vicky@gmail.com				CBI
309	SANDY	8888213211	sandy@gmail.com				SIVAKASI

2)INSERT VALUES INTO A GIFT TABLE.

SQL COMMAND:

```
INSERT INTO GIFTCARD VALUES(506,2060,NULL,90000);
```

OUTPUT:

```
SQL> SELECT * FROM GIFTCARD;
```

GID	USERID	AMOUNT	GVALID
506		90000	20-DEC-70
509		100000	15-AUG-80
599		200000	15-JUL-87
501	301	20000	13-FEB-47
505	302	25000	09-FEB-77
515	303	35000	07-AUG-54

3)INSERT VALUES INTO A CREDITCARD TABLE.

SQL COMMAND:

```
INSERT INTO CREDITCARD VALUES(29132,65453,301,'STUDENT');
```

OUTPUT:

```
SELECT * FROM CREDITCARD;
```

CID	CVV	USERID	TYPE
29132	65453	301	STUDENT
291726	76534	303	TRAVEL

29139	65453	301 STUDENT
291548	88534	BUSINESS
291148	88204	TRAVEL
291100	88214	BUSINESS

4)INSERT VALUES INTO A LICENSE TABLE.

SQL COMMAND:

```
INSERT INTO LICENSE VALUES(34678262,2050,'TWO WHEELER');
```

OUTPUT:

```
SELECT * FROM LICENSE;
```

LICENSENO	VALIDITY	VEHICLETYPE
-----------	----------	-------------

67312653	2060	TWO WHEELER
54231755	2060	FOUR WHEELER
87242751	2030	TWO WHEELER
34678262	2050	TWO WHEELER
45367892	2040	FOUR WHEELER
23676459	2045	TWO WHEELER

5)INSERT VALUES INTO A TIMETABLE TABLE.

SQL COMMAND:

```
INSERT INTO TIMETABLE VALUES(102,'SUNDAY','DBMS',5);
```

OUTPUT:

```
SELECT * FROM TIMETABLE;
```

TID DAY	PERIOD	HOUR
109 FRIDAY	DPSD	2
108 SATURDAY	C##	5
107 WEDNESDAY	PYTHON	4
102 SUNDAY	DBMS	5
105 MONDAY	COA	7
104 TUESDAY	DIGITALSTUD	6

6)INSERT VALUES INTO A ADHAAR TABLE.

SQL COMMAND:

```
INSERT INTO ADHAAR VALUES(2838501,456345);
```

OUTPUT:

```
SELECT * FROM ADHAAR;
```

ADHAARID	ENROLLNO
2838501	456345
6578432	764532
4587234	768905
2815099	887766
2815067	117766

2812367 113466

7)INSERT VALUES INTO A DEBITCARD TABLE.

SQL COMMAND:

```
INSERT INTO DEBITCARD VALUES(351239,'INDIAN BANK',45321,301,'2050');
```

OUTPUT:

```
SELECT * FROM DEBITCARD;
```

DEBITNO	BNAME	CVV	USERID	DVALID
351117	TMB	55555	2040	
351007	SBI	50055	2045	
311007	RBI	50010	2050	
351239	INDIAN BANK	45321	301	2050
351765	STATE BANK	34215	302	2070
351987	SBI	45709	303	2040

=====

=====

II)SELECTION

=====

1)DISPLAY ALL THE DETAILS IN THE USER1 TABLE.

SQL COMMAND:

SELECT * FROM USER1;

OUTPUT:

USERID NAME	PHONENO MAIL	ADHAARID LICENCENO	TID ADDRESS

--			
301 SRI	9087654321 sri@gmail.com	2838501 34678262	102 MADURAI
302 BALA	9098754321 bala@gmail.com	6578432 45367892	105 SALEM
303 SURESH	9098751231 suresh@gmail.com	4587234 23676459	104 KARUR
308 JACK	9790654321 jack@gmail.com		MADURAI
306 VICKY	7790654386 vicky@gmail.com		CBI
309 SANDY	8888213211 sandy@gmail.com		SIVAKASI

2)DISPLAY ONLY THE USERID AND NAME FROM THE USER1 TABLE.

SQL COMMAND:

OUTPUT:

SELECT USERID,NAME FROM USER1;

USERID NAME	

301 SRI	
302 BALA	
303 SURESH	
308 JACK	
306 VICKY	
309 SANDY	

3)DISPLAY THE USERID AND THE NAME FROM THE USER1 TABLE WHEN ADDRESS IS MADURAI.

SQL COMMAND:

```
SELECT USERID,NAME FROM USER1 WHERE ADDRESS='MADURAI';
```

OUTPUT:

USERID NAME

301 SRI

308 JACK

4)DISPLAY THE PHONE NO AND EMAIL FROM THE USER1 TABLE AND CHANGE THE COLUMN NAME PHONENO AS MOBILENO AND MAIL AS NAME USING AS COMMAND.

SQL COMMAND:

```
SELECT PHONENO AS MOBILENO,MAIL AS EMAIL FROM USER1;
```

MOBILENO EMAIL

9087654321 sri@gmail.com

9098754321 bala@gmail.com

9098751231 suresh@gmail.com

9790654321 jack@gmail.com

7790654386 vicky@gmail.com

8888213211 sandy@gmail.com

5)DISPLAY ALL THE DETAILS IN THE GIFTCARD TABLE.

SQL COMMAND:

```
SELECT * FROM GIFTCARD;
```

OUTPUT:

GID	GVALIDITY	USERID	AMOUNT
506	2060		90000
509	2066		100000
599	2056		200000
501	2030	301	20000
505	2040	302	25000
515	2050	303	35000

6)DISPLAY THE GID AND THE GVALIDITY FROM THE GIFTCARD.

SQL COMMAND:

```
SELECT GID,GVALIDITY FROM GIFTCARD;
```

OUTPUT:

GID	GVALIDITY
506	2060
509	2066
599	2056
501	2030
505	2040

515 2050

7)DISPLAY THE GVALID AND AMT FROM THE GIFTCARD TABLE AND CHANGE THE COLUMN NAME GVALID AS GVALIDITY AND AMT AS AMOUT WITHOUT USING COMMAND.

SQL COMMAND:

SELECT GVALID GVALIDITY,AMT AMOUNT FROM GIFTCARD;

OUTPUT:

GVALIDITY	AMOUNT
2060	90000
2066	100000
2056	200000
2030	20000
2040	25000
2050	35000

8)DISPLAY ALL OF THE GID GREATER THAN 505.

SQL COMMAND:

SQL> SELECT * FROM GIFTCARD WHERE GID > 505;

OUTPUT:

GID	USERID	AMOUNT	GVALID
-----	--------	--------	--------

506		90000 20-DEC-70
509		100000 15-AUG-80
515	303	35000 07-AUG-54
599		200000 15-JUL-87

9)DISPLAY THE DETAILS OF THE USERID 301 AND 306.

SQL COMMAND:

SELECT * FROM USER1 WHERE USERID IN ('301','306');

OUTPUT:

USERID	NAME	PHONENO	MAIL	ADHAARID	LICENCENO	TID	ADDRESS
301	SRI	9087654321	sri@gmail.com	2838501	34678262	102	MADURAI
306	VICKY	7790654386	vicky@gmail.com				CBI

10)DISPLAY THE CREDITCARD DETAILS WHICH HAS CVV BETWEEN 65400 AND 80000.

SQL COMMAND:

SELECT * FROM CREDITCARD WHERE CVV BETWEEN 65400 AND 80000;

CID	CVV	USERID	TYPE
29132	65453	301	STUDENT
291726	76534	303	TRAVEL
29139	65453	301	STUDENT

11)DISPLAY MAXIMUM OF THE AMOUNT.

SQL COMMAND:

```
SELECT MAX(AMOUNT) FROM GIFTCARD;
```

OUTPUT:

MAX(AMOUNT)

200000

12)DISPLAY MIINIMUM OF THE AMOUNT.

SQL COMMAND:

```
SELECT MIN(AMOUNT) FROM GIFTCARD;
```

OUTPUT:

MIN(AMOUNT)

20000

13)DISPLAY AVERAGE AMOUNT IN THE GIFTCARD TABLE.

SQL COMMAND:

```
SELECT AVG(AMOUNT) FROM GIFTCARD;
```

OUTPUT:

AVG(AMOUNT)

78333.3333

14)DISPLAY THE SUM OF AMOUNT IN THE GIFTCARD TABLE.

SQL COMMAND:

SELECT SUM(AMOUNT) FROM GIFTCARD;

OUTPUT:

SUM(AMOUNT)

470000

15)DISPLAY THE COUNT OF THE USER1 TABLE.

SQL COMMAND:

SELECT COUNT(*) FROM USER1;

OUTPUT:

COUNT(*)

6

15)DISPLAY THE DISTINCT CID IN THE CREDITCARD TABLE.

SQL COMMAND:

SELECT DISTINCT CID FROM CREDITCARD;

CID

29132
29139
291100
291148
291548
291726

16)DISPLAY THE MAIL IN UPPER WHICH IS PRESENT IN THE USER1 TABLE.

SQL COMMAND:

SELECT UPPER(MAIL) FROM USER1;

OUTPUT:

UPPER(MAIL)

SRI@GMAIL.COM
BALA@GMAIL.COM
SURESH@GMAIL.COM
JACK@GMAIL.COM
VICKY@GMAIL.COM
SANDY@GMAIL.COM

17)DISPLAY THE ADDRESS IN LOWER WHICH IS PRESENT IN THE USER1 TABLE.

SQL COMMAND:

```
SELECT LOWER(ADDRESS) FROM USER1;
```

OUTPUT:

LOWER(ADDRESS)

madurai

salem

karur

madurai

cbi

sivakasi

18)DISPLAY ALL OF THE NAME IN THE USER1 TABLE.

SQL COMMAND:

```
SELECT NAME FROM USER1 GROUP BY NAME;
```

NAME

SRI

BALA

SURESH

JACK

VICKY

SANDY

20)DISPLAY ALL OF THE AMOUNT IN GIFTCARD TABLE WHOSE AMOUNT IS GREATER THAN THE 90000.

SQL COMMAND:

SELECT AMOUNT FROM GIFTCARD GROUP BY AMOUNT HAVING AMOUNT>90000;

AMOUNT

100000
200000

21)DISPLAY EXCEPT THE DETAILS OF THE USERID 301 AND 306.

SQL COMMAND:

SELECT * FROM USER1 WHERE USERID NOT IN ('301','306');

USERID NAME	PHONENO MAIL	ADHAARID	LICENCENO	TID ADDRESS
302 BALA	9098754321 bala@gmail.com	6578432	45367892	105 SALEM
303 SURESH	9098751231 suresh@gmail.com	4587234	23676459	104 KARUR
308 JACK	9790654321 jack@gmail.com			MADURAI
309 SANDY	8888213211 sandy@gmail.com			SIVAKASI

22)DISPLAY THE DETAILS OF USER1 TABLES ACCORDING TO USER NAME IN THE ASCENDING ORDER.

SQL COMMAND:

SELECT NAME,PHONENO,MAIL FROM USER1 ORDER BY NAME;

NAME	PHONENO MAIL
BALA	9098754321 bala@gmail.com
JACK	9790654321 jack@gmail.com
SANDY	8888213211 sandy@gmail.com
SRI	9087654321 sri@gmail.com
SURESH	9098751231 suresh@gmail.com
VICKY	7790654386 vicky@gmail.com

23)DISPLAY THE DETAILS OF USER1 TABLE ACCORDING TO ITS ADDRESS IS PRESENT IN THE FORM OF DESCENDING ORDER.

SQL COMMAND:

SELECT USERID,NAME,ADDRESS FROM USER1 ORDER BY ADDRESS DESC;

USERID NAME	ADDRESS
309 SANDY	SIVAKASI
302 BALA	SALEM
301 SRI	MADURAI
308 JACK	MADURAI
303 SURESH	KARUR
306 VICKY	CBI

=====

==

3.UPDATE.

=====

1)CHANGE THE NAME AS A SENTHIL WHEN USERID IS A 303 IN USER1 TABLE.

SQL COMMAND:

```
UPDATE USER1 SET NAME='SENTHIL' WHERE USERID=303;
```

OUTPUT:

USERID	NAME	PHONENO	MAIL	ADHAARID	LICENCENO	TID	ADDRESS

--							
301	SRI	9087654321	sri@gmail.com	2838501	34678262	102	MADURAI
302	BALA	9098754321	bala@gmail.com	6578432	45367892	105	SALEM
303	SENTHIL	9098751231	suresh@gmail.com	4587234	23676459	104	KARUR
308	JACK	9790654321	jack@gmail.com				MADURAI
306	VICKY	7790654386	vicky@gmail.com				CBI
309	SANDY	8888213211	sandy@gmail.com				SIVAKASI

2) CHANGE THE GIVEN PHONE NUMBER WHEN THE NAME IS JACK IN THE USER1 TABLE.

SQL COMMAND:

```
UPDATE USER1 SET PHONENO=9442394409 WHERE NAME='JACK';
```

OUTPUT:

USERID	NAME	PHONENO	MAIL	ADHAARID	LICENCENO	TID	ADDRESS

--							
301	SRI	9087654321	sri@gmail.com	2838501	34678262	102	MADURAI
302	BALA	9098754321	bala@gmail.com	6578432	45367892	105	SALEM
303	SENTHIL	9098751231	suresh@gmail.com	4587234	23676459	104	KARUR
308	JACK	9442394409	jack@gmail.com				MADURAI
306	VICKY	7790654386	vicky@gmail.com				CBI

309 SANDY

8888213211 sandy@gmail.com

SIVAKASI

3) INCREMENT ALL THE AMOUNT BY 10 WHICH IS PRESENT IN THE GIFTCARD TABLE.

SQL COMMAND:

```
UPDATE GIFTCARD SET AMOUNT=AMOUNT+10;
```

OUTPUT:

```
SELECT * FROM GIFTCARD;
```

GID	USERID	AMOUNT	GVALID
506		90010	20-DEC-70
509		100010	15-AUG-80
599		200010	15-JUL-87
501	301	20010	13-FEB-47
505	302	25010	09-FEB-77
515	303	35010	07-AUG-54

4) INCREMENT THE AMOUNT BY 25 WHEN THE GID IS 506.

SQL COMMAND:

```
UPDATE GIFTCARD SET AMOUNT=AMOUNT+25 WHERE GID=506;
```

OUTPUT:

```
SELECT * from giftcard;
```

GID	USERID	AMOUNT	GVALID

506		90035	20-DEC-70
509		100010	15-AUG-80
599		200010	15-JUL-87
501	301	20010	13-FEB-47
505	302	25010	09-FEB-77
515	303	35010	07-AUG-54

5) INCREMENT THE AMOUNT BY 0.7 WHEN THE GID IS 506.

SQL COMMAND:

UPDATE GIFTCARD SET AMOUNT=AMOUNT*7 WHERE GID=506;

OUTPUT:

SELECT * from giftcard;

GID	USERID	AMOUNT	GVALID

506		630245	20-DEC-70
509		100010	15-AUG-80
599		200010	15-JUL-87
501	301	20010	13-FEB-47
505	302	25010	09-FEB-77
515	303	35010	07-AUG-54

=====

=====

4.DELETE.

=====

1.DELETE FROM THR USER1 TABLE WHEN USERID IS 301.

SQL COMMAND.

DELETE FROM USER1 WHERE USERID=309;

1 row deleted.

SQL> SELECT * FROM USER1;

OUTPUT:

USERID	NAME	PHONENO	MAIL	ADHAARID	LICENCENO	TID	ADDRESS

--							
301	SRI	9087654321	sri@gmail.com	2838501	34678262	102	MADURAI
302	BALA	9098754321	bala@gmail.com	6578432	45367892	105	SALEM
303	SURESH	9098751231	suresh@gmail.com	4587234	23676459	104	KARUR
308	JACK	9790654321	jack@gmail.com				MADURAI
306	VICKY	7790654386	vicky@gmail.com				CBI

2.DELETE FROM CREDITCARD TABLE WHEN CVV IS 88214.

SQL COMMAND.

DELETE FROM CREDITCARD WHERE CVV=88214;

1 row deleted.

SQL> SELECT * FROM CREDITCARD;

OUTPUT:

CID	CVV	USERID	TYPE
29132	65453	301	STUDENT
291726	76534	303	TRAVEL
29139	65453	301	STUDENT
291548	88534		BUSINESS
291148	88204		TRAVEL

3.DELETE THE ROW FROM GIFTCARD WHEN AMOUNT IS 90000 AND GID AS 506.

DELETE FROM GIFTCARD WHERE AMOUNT=90000 AND GID=506;

1 row deleted.

OUTPUT:

SQL> SELECT * FROM GIFTCARD;

GID	GVALIDITY	USERID	AMOUNT
509	2066		100000
599	2056		200000
501	2030	301	20000
505	2040	302	25000
515	2050	303	35000

4.DELETE THE ROW FROM THE GIFTCARD WHEN AMOUNT IS 10000 AND GID IS 509.

DELETE FROM GIFTCARD WHERE AMOUNT=100000 AND GID=509;

OUTPUT:

1 row deleted.

SQL> SELECT * FROM GIFTCARD;

GID	GVALIDITY	USERID	AMOUNT
599	2056		200000
501	2030	301	20000
505	2040	302	25000
515	2050	303	35000

=====

==