

DBMS LAB - 2

SQL DML COMMANDS

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AIM:

To write SQL queries to execute different DML commands.

DML COMMANDS:

1. **Table Creation:** table with name 'customers' has been created and used for executing DML commands

A screenshot of a SQL IDE interface. At the top, there are tabs for 'Code' and 'Output', with 'Code' selected. To the right of the tabs are two buttons: 'Run' (green) and 'Save' (blue). The main area contains a SQL script with line numbers 3 through 22 on the left margin. The script defines a table 'customers' with columns: customer id (NUMBER), saledate (DATE), saleamount (NUMBER), storestate (VARCHAR(255)), salesperson (VARCHAR(255)), and orderid (NUMBER). It then inserts four rows of data into the 'customers' table using the INSERT INTO VALUES statement. The last line is a SELECT * FROM customers; query.

```
3 (
4   customer id NUMBER,
5   saledate DATE,
6   saleamount NUMBER,
7   storestate VARCHAR(255),
8   salesperson VARCHAR(255),
9   orderid NUMBER
10 )
11 );
12
13 INSERT INTO customers VALUES(1002, '23.MAY.2000', 1200, 'KA', 'Rahul', 1002);
14
15 INSERT INTO customers VALUES(1003, '22.MAY.2000', 1300, 'MH', 'Akshat', 1003);
16
17 INSERT INTO customers VALUES(1004, '24.MAY.2000', 1400, 'MH', 'Yukta', 1004);
18
19 INSERT INTO customers VALUES(1005, '25.MAY.2000', 1500, 'MH', 'Shubh', 1005);
20
21
22 select * FROM customers;
```

2. Inserting Values (INSERT command):



```
1002|23.MAY.2000|1020|KA|Rahul|1002  
1003|22.MAY.2000|1030|MH|Akshat|1003  
1004|24.MAY.2000|1040|MH|Yukta|1004  
1005|25.MAY.2000|1050|MH|Shubh|1005
```

```
[Execution complete with exit code 0]
```

3. Displaying Values (SELECT command):



```
8 salesperson VARCHAR(255),
9 orderid NUMBER
10
11 ;
12
13 INSERT INTO customers VALUES(1002, '23.MAY.2000', 1020, 'KA', 'Ra
14
15 INSERT INTO customers VALUES(1003, '22.MAY.2000', 1030, 'MH', 'A
16
17 INSERT INTO customers VALUES(1004, '24.MAY.2000', 1040, 'MH', 'Y
18
19 INSERT INTO customers VALUES(1005, '25.MAY.2000', 1050, 'MH', 'S
20
21
22 select * FROM customers;
23
24 select customerid, orderid, saledate from customers;
25
26
27
```

```
1002|1002|23.MAY.2000
1003|1003|22.MAY.2000
1004|1004|24.MAY.2000
1005|1005|25.MAY.2000
```

[Execution complete with exit code 0]

4. Modifying Values (UPDATE command):

```
14
15 INSERT INTO customers VALUES(1003, '22.MAY.2000', 1030, 'MH', '
16
17 INSERT INTO customers VALUES(1004, '24.MAY.2000', 1040, 'MH', '
18
19 INSERT INTO customers VALUES(1005, '25.MAY.2000', 1050, 'MH', '
20
21
22 select * FROM customers;
23
24 select customerid, orderid,saledate from customers;
25
26 UPDATE customers SET storestate= 'PR' WHERE customerid=1002;
27
28 select * from customers;
29
30
31
32
33
34
```

```
1002|23.MAY.2000|1020|PR|Rahul|1002  
1003|22.MAY.2000|1030|MH|Akshat|1003  
1004|24.MAY.2000|1040|MH|Yukta|1004  
1005|25.MAY.2000|1050|MH|Shubh|1005
```

```
[Execution complete with exit code 0]
```

5. Deleting Values(DELETECommand):

Enter a title...

SQL

Code

Output

Run

Save

19

20

21

22

23

24

INSERT INTO customers VALUES(1005, '25.MAY.2000', 1050, 'MH', 'Shubh' , 1005);

select * FROM customers;

select customerid,orderid,saledate from customers;

1002|23.MAY.2000|1020|PR|Rahul|1002

1003|22.MAY.2000|1030|MH|Akshat|1003

1005|25.MAY.2000|1050|MH|Shubh|1005

[Execution complete with exit code 0]

RESULT:

Thus the DML commands are used to modify or manipulate data records present in the customerS database table.

