

SQL DML COMMANDS

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AIM:

To write SQL queries to execute different DML commands.

DML COMMANDS:

CREATE:

```
SQL> CREATE TABLE COMP
  2  (CUS_ID INT,
  3  SALE_DATE DATE,
  4  SALE_AMT INT,
  5  SALESPERSON VARCHAR2(255),
  6  STORE_STATE VARCHAR2(255),
  7  ORDER_ID VARCHAR2(255)
  8  );
```

Table created.

SELECT:

```
SQL> COLUMN STORE_STATE FORMAT A15
SQL> COLUMN ORDER_ID FORMAT A10
SQL> SELECT * FROM COMP;
```

CUS_ID	SALE_DATE	SALE_AMT	SALESPERSON	STORE_STATE	ORDER_ID
1001	23-MAY-20	1200	RAJ K	KA	1001
1001	22-MAY-20	1200	M K	NULL	1002
1002	23-MAY-20	1200	MALIKA RAKESH	MH	1003
1003	22-MAY-20	1500	MALIKA RAKESH	MH	1004
1005	12-DEC-19	4200	RK RAKESH	MH	1007
1002	21-MAY-20	1200	MOLLY	NY	1001

6 rows selected.

INSERT:

```
SQL> INSERT INTO COMP VALUES
  2  (1001,
  3  TO_DATE('2020-05-23', 'YYYY-MM-DD'),
  4  1200,
  5  'RAJ K',
  6  'KA',
  7  '1001'
  8  );

1 row created.

SQL> INSERT INTO COMP VALUES (1001, TO_DATE('2020-05-22', 'YYYY-MM-DD'), 1200, 'M K', 'NULL', '1002');

1 row created.

SQL> INSERT INTO COMP VALUES (1002, TO_DATE('2020-05-23', 'YYYY-MM-DD'), 1200, 'MALIKA RAKESH', 'MH', '1003');

1 row created.

SQL> INSERT INTO COMP VALUES (1003, TO_DATE('2020-05-22', 'YYYY-MM-DD'), 1500, 'MALIKA RAKESH', 'MH', '1004');

1 row created.

SQL> INSERT INTO COMP VALUES (1004, TO_DATE('2020-05-22', 'YYYY-MM-DD'), 1210, 'M K', 'NULL', '1003');

1 row created.

SQL> INSERT INTO COMP VALUES (1005, TO_DATE('2019-12-12', 'YYYY-MM-DD'), 4200, 'RK RAKESH', 'MH', '1007');

1 row created.

SQL> INSERT INTO COMP VALUES (1002, TO_DATE('2020-05-21', 'YYYY-MM-DD'), 1200, 'MOLLY', 'DL', '1001');

1 row created.
```

UPDATE:

```
SQL> UPDATE COMP SET SALE_AMT=1260 WHERE SALESPERSON='M K';

1 row updated.

SQL> SELECT * FROM COMP;

  CUS_ID SALE_DATE   SALE_AMT SALESPERSON   STORE_STATE ORDER_ID
-----
    1001 23-MAY-20      1200 RAJ K          KA          1001
    1001 22-MAY-20      1260 M K          NULL         1002
    1002 23-MAY-20      1200 MALIKA RAKESH MH          1003
    1003 22-MAY-20      1500 MALIKA RAKESH MH          1004
    1005 12-DEC-19      4200 RK RAKESH     MH          1007
    1002 21-MAY-20      1200 MOLLY        NY          1001

6 rows selected.
```

DELETE:

```
SQL> DELETE FROM COMP WHERE SALESPERSON='MALIKA RAKESH' AND SALE_AMT=1200;  
1 row deleted.
```

```
SQL> SELECT * FROM COMP;
```

CUS_ID	SALE_DATE	SALE_AMT	SALESPERSON	STORE_STATE	ORDER_ID
1001	23-MAY-20	1200	RAJ K	KA	1001
1001	22-MAY-20	1260	M K	NULL	1002
1003	22-MAY-20	1500	MALIKA RAKESH	MH	1004
1005	12-DEC-19	4200	RK RAKESH	MH	1007
1002	21-MAY-20	1200	MOLLY	NY	1001

RESULT:

Thus, the DML commands are used to modify or manipulate data records present in the customer database tables.