

# Database Management Systems

18CSC303J

Faculty : Dr.G.Senthil Kumar

Venkata Naga Sai Ram Nomula

RA1911033010021

CSE\_SWE L2

## Exp 1 - DML Commands

DML means **Data Manipulation Language**.

The SQL commands that deal with the manipulation of data present in the database belong to DML or Data Manipulation Language and this includes most of the SQL statements. It is the component of the SQL statement that controls access to data and to the database. Basically, DCL statements are grouped with DML statements.

List of DML commands:

**INSERT** : It is used to insert data into a table.

**UPDATE**: It is used to update existing data within a table.

**DELETE** : It is used to delete records from a database table.

```
SQL> create table players(name varchar(20), jersey number(3));
```

```
Table created.
```

### Insert command:

```
SQL> insert into players values('&name', &jersey);
Enter value for name: dhoni
Enter value for jersey: 7
old 1: insert into players values('&name', &jersey)
new 1: insert into players values('dhoni', 7)

1 row created.

SQL> /
Enter value for name: jadeja
Enter value for jersey: 8
old 1: insert into players values('&name', &jersey)
new 1: insert into players values('jadeja', 8)

1 row created.

SQL> desc players;
Name                                     Null?      Type
-----
NAME                                     VARCHA2(20)
JERSEY                                  NUMBER(3)

SQL> select * from players;

NAME                JERSEY
-----
dhoni                7
jadeja               8

SQL> alter table players add(role char(15));

Table altered.
```

### Update command:

```
SQL> update players set role='captain' where name='dhoni';
```

```
1 row updated.
```

```
SQL> update players set role='ar' where name='jadeja';
```

```
1 row updated.
```

```
SQL> select * from players;
```

NAME	JERSEY	ROLE
dhoni	7	captain
jadeja	8	ar

### Delete command:

```
SQL> alter table players drop column role;
```

```
Table altered.
```

```
SQL> select * from players;
```

NAME	JERSEY
dhoni	7
jadeja	8

```
SQL> delete from players where jersey=8;
```

```
1 row deleted.
```

```
SQL> select * from players;
```

NAME	JERSEY
dhoni	7