



ANJUMAN-I-ISLAM'S KALSEKAR TECHNICAL CAMPUS

School of Engineering & Technology

Affiliated to : University of Mumbai, Recognised by : DTE (Maharashtra) & Approved by : AICTE (New Delhi)

Course Code: CSL402	Course Name: Database Management System Lab
Class: SE-CO	Batch: 2020-24
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Experiment: 04

Aim: Apply Data Manipulation Language (DDL) Commands for the specified system.

Case Study Title – Currency Converter

Output -

Execute the following commands on MySQL.

DML Commands

=====

1. SELECT

select * from table_name;

select col1,col2,....colN from table_name;

Note - select * from table where condition;

2. INSERT

SYNTAX -

insert into table_name (col1, col2....colN) values (val1,val2,....valN);

Multiple inserts are possible by using comma separated values.

String Values should be always in quotes.

Note - Column Names is mandatory if some column values are inserted

otherwise for all column values it is optional

3. UPDATE

Syntax - update tablename set column_name = newvalue where condition



For multiple columns, after set keyword by using comma

4. DELETE

Syntax - delete from table_name where condition;

Attach the commands in Text format.

1. SELECT

```
MariaDB [hospital_management]> select * from medicine;
MariaDB [hospital_management]> select * from rooms;
MariaDB [hospital_management]> select * from record;
MariaDB [hospital_management]> select * from contactno;
MariaDB [hospital_management]> select * from employee;
MariaDB [hospital_management]> select * from patients;
MariaDB [hospital_management]> select * from doctor;
MariaDB [hospital_management]> select * from nurse;
MariaDB [hospital_management]> select * from receptionist;
MariaDB [hospital_management]> select * from medicine where quantity=100;
```

2. INSERT

```
MariaDB [hospital_management]> insert into medicine values
-> (123,'paracetamol',50,40),
-> (115,'crocine',30,100),
-> (112,'aciloc 150',24,100);
```

```
MariaDB [hospital_management]> insert into rooms values
-> (101,'general',3),
-> (102,'deluxe',5),
-> (103,'premium',5);
```

```
MariaDB [hospital_management]> insert into record values
-> ('','2021-03-20','muskan khan'),
-> ('','2021-03-21','rabiya pangarkar'),
-> ('','2021-03-22','zikra shaikh'),
-> ('','2021-03-23','simran mapari');
```

```
MariaDB [hospital_management]> insert into contactno values
-> (1,8596321470,9874563210),
-> (2,3214569807,8523697410),
-> (3,9512364785,7531594682);
```

```
MariaDB [hospital_management]> insert into employee values
-> (1,'doctor','zaki','sakinaka','M.B.B.S',40000,1),
-> (2,'nurse','hena','mumbai','H.S.C',20000,2),
```



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```
-> (3,'receptionist','anam','mumbra','M.COM',30000,3);
```

```
MariaDB [hospital_management]> insert into contactno values
```

```
-> (4,9214569807,7523697410),
```

```
-> (5,8924569807,7523695810),
```

```
-> (6,8724569835,7368965857);
```

```
MariaDB [hospital_management]> insert into employee values
```

```
-> (4,'doctor','john','navi mumbai','B.D.S',50000,4);
```

```
MariaDB [hospital_management]> insert into employee values
```

```
-> (5,'doctor','lily','navi mumbai','B.U.M.S',60000,5),
```

```
-> (6,'nurse','rajee','mumbai','S.S.C',15000,6);
```

```
MariaDB [hospital_management]> insert into contactno values
```

```
-> (7,6542569835,9630965857),
```

```
-> (8,8524653719,9632587417),
```

```
-> (9,7412589630,7536984125),
```

```
-> (10,7725599630,9856203415);
```

```
MariaDB [hospital_management]> insert into patients values
```

```
-> ('','aamir','male','mumbai','2021-03-21','2021-03-29',7),
```

```
-> ('','zahra','female','navi mumbai','2021-03-24','2021-03-30',8),
```

```
-> ('','farhan','male','navi mumbai','2021-03-23','2021-03-28',9),
```

```
-> ('','zoha','female','mumbai','2021-03-21','2021-04-1',10);
```

```
MariaDB [hospital_management]> insert into doctor values
```

```
-> (111,'permanent',1),
```

```
-> (222,'trainee',4),
```

```
-> (333,'vistor',5);
```

```
MariaDB [hospital_management]> insert into nurse values
```

```
-> (44,2),
```

```
-> (55,6);
```

```
MariaDB [hospital_management]> insert into receptionist values
```

```
-> (77,3);
```

3. UPDATE

```
MariaDB [hospital_management]> update patient set address='thane' where name='zoha';
```

```
MariaDB [hospital_management]> update medicine set quantity=60 where name='paracetamol';
```



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4.DELETE

MariaDB [hospital_management]> delete from record where Record_no=1;

MariaDB [hospital_management]> delete from record where Record_no=2;

MariaDB [hospital_management]> delete from record where Record_no=3;

Conclusion:

DML is short name of Data Manipulation Language which deals with data manipulation and includes most common **SQL statements** such SELECT, INSERT, UPDATE, DELETE, etc., and it is used to store, modify, retrieve, delete and update data in a database.