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| **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;

1. **INSERT**

MariaDB [hospital\_management]> insert into medicine values

-> (123,'paracetemol',50,40),

-> (115,'crocin',30,100),

-> (112,'aciloc 150',24,100);

MariaDB [hospital\_management]> insert into rooms values

-> (101,'general',3),

-> (102,'deluxe',5),

-> (103,'permium',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),

-> (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='paracetemol';

**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:**

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| **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. |