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| **Ex.No 3 DML Commands – INSERT, SELECT, UPDATE, DELETE** |

**Questions**:

1. Populate all the five tables with your own data

Student table:

mysql> insert into student values(192211012,'ram','m','2002-10-05',9508067891,'chennai');

Query OK, 1 row affected (0.05 sec)

mysql> insert into student values(192211013,'sameera','f','2003-11-09',9087654321,'chennai');

Query OK, 1 row affected (0.05 sec)

mysql> insert into student values(191711342,'suresh','m','2004-04-03',1234567899,'bangalore');

Query OK, 1 row affected (0.00 sec)

Department table:

mysql> insert into department values('d1','cse','riya');

Query OK, 1 row affected (0.03 sec)

mysql> insert into department values('d2','aiml','asha');

Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('d3','ece','mani');

Query OK, 1 row affected (0.03 sec)

Faculty table:

mysql> insert into faculty values(1231,'kumar','m','1985-09-08','2004-10-20',1357986420,'d1','no');

Query OK, 1 row affected (0.05 sec)

mysql> insert into faculty values(1232,'renu','f','1986-10-05','2006-04-30',1367976420,'d2','no');

Query OK, 1 row affected (0.05 sec)

mysql> insert into faculty values(1233,'rakesh','m','1979-09-08','2000-01-28',1378786420,'d2','yes');

Query OK, 1 row affected (0.05 sec)

mysql> insert into faculty values(1234,'swetha','f','1955-12-10','1995-03-08',1378796428,'d3','no');

Query OK, 1 row affected (0.02 sec)

mysql> insert into faculty values(1235,'roy','m','1950-11-13','1987-07-06',1479243975,'d1','no');

Query OK, 1 row affected (0.03 sec)

Course table:

mysql> insert into course values('C001','dbms','c',5,303,1235);

Query OK, 1 row affected (0.02 sec)

mysql> insert into course values('C101','python','d',3,332,1233);

Query OK, 1 row affected (0.00 sec)

mysql> insert into course values('C002','java','a',6,623,1231);

Query OK, 1 row affected (0.03 sec)

mysql> insert into course values('C010','rprog','b',5,456,1232);

Query OK, 1 row affected (0.02 sec)

mysql> insert into course values('C005','cprog','e',4,111,1234);

Query OK, 1 row affected (0.01 sec)

1. Update the value of student name whose register number is ‘191711342’

mysql> update student set name ='varshan' where reg\_no =191711342;

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from student;

+-----------+---------+--------+------------+------------+-----------+

| reg\_no | name | gender | dob | mobile\_no | city |

+-----------+---------+--------+------------+------------+-----------+

| 191711342 | varshan | m | 2004-04-03 | 1234567899 | bangalore |

| 192211012 | ram | m | 2002-10-05 | 9508067891 | chennai |

| 192211013 | sameera | f | 2003-11-09 | 9087654321 | chennai |

+-----------+---------+--------+------------+------------+-----------+

3 rows in set (0.00 sec)

1. Delete the record in the table FACULTY, who resigned her job.

mysql> delete from faculty where job\_resigned ='yes';

Query OK, 1 row affected (0.03 sec)

mysql> select \* from faculty;

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| fac\_no | fac\_name | gender | dob | doj | mobile\_number | dept\_no | job\_resigned |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| 1231 | kumar | m | 1985-09-08 | 2004-10-20 | 1357986420 | d1 | no |

| 1232 | renu | f | 1986-10-05 | 2006-04-30 | 1367976420 | d2 | no |

| 1234 | swetha | f | 1955-12-10 | 1995-03-08 | 1378796428 | d3 | no |

| 1235 | roy | m | 1950-11-13 | 1987-07-06 | 1479243975 | d1 | no |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

4 rows in set (0.00 sec)

1. Modify the date of birth for the faculty whose name is 'RAM' with a value ‘1983-05-01’

mysql> update faculty set fac\_name ='ram' where fac\_no=1231;

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update faculty set dob='1983-05-01' where fac\_name='ram';

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from faculty;

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| fac\_no | fac\_name | gender | dob | doj | mobile\_number | dept\_no | job\_resigned |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| 1231 | ram | m | 1983-05-01 | 2004-10-20 | 1357986420 | d1 | no |

| 1232 | renu | f | 1986-10-05 | 2006-04-30 | 1367976420 | d2 | no |

| 1234 | swetha | f | 1955-12-10 | 1995-03-08 | 1378796428 | d3 | no |

| 1235 | roy | m | 1950-11-13 | 1987-07-06 | 1479243975 | d1 | no |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

4 rows in set (0.00 sec)

1. Remove all faculty who are having over 65 years

mysql> delete from faculty where dob<'1957-01-01';

Query OK, 2 rows affected (0.01 sec)

mysql> select \* from faculty;

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| fac\_no | fac\_name | gender | dob | doj | mobile\_number | dept\_no | job\_resigned |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| 1231 | ram | m | 1983-05-01 | 2004-10-20 | 1357986420 | d1 | no |

| 1232 | renu | f | 1986-10-05 | 2006-04-30 | 1367976420 | d2 | no |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

2 rows in set (0.00 sec)

1. View all the records from the five tables.

mysql> select \* from student;

+-----------+---------+--------+------------+------------+-----------+

| reg\_no | name | gender | dob | mobile\_no | city |

+-----------+---------+--------+------------+------------+-----------+

| 191711342 | varshan | m | 2004-04-03 | 1234567899 | bangalore |

| 192211012 | ram | m | 2002-10-05 | 9508067891 | chennai |

| 192211013 | sameera | f | 2003-11-09 | 9087654321 | chennai |

+-----------+---------+--------+------------+------------+-----------+

3 rows in set (0.00 sec)

mysql> select \* from faculty;

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| fac\_no | fac\_name | gender | dob | doj | mobile\_number | dept\_no | job\_resigned |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

| 1231 | ram | m | 1983-05-01 | 2004-10-20 | 1357986420 | d1 | no |

| 1232 | renu | f | 1986-10-05 | 2006-04-30 | 1367976420 | d2 | no |

+--------+----------+--------+------------+------------+---------------+---------+--------------+

2 rows in set (0.00 sec)

mysql> select \* from department;

+---------+-----------+-----------+

| dept\_no | dept\_name | dept\_head |

+---------+-----------+-----------+

| d1 | cse | riya |

| d2 | aiml | asha |

| d3 | ece | mani |

+---------+-----------+-----------+

3 rows in set (0.00 sec)

mysql> select \* from course;

+-----------+-------------+-------------+--------+---------+--------+

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fac\_no |

+-----------+-------------+-------------+--------+---------+--------+

| C001 | dbms | c | 5 | 303 | 1235 |

| C002 | java | a | 6 | 623 | 1231 |

| C005 | cprog | e | 4 | 111 | 1234 |

| C010 | rprog | b | 5 | 456 | 1232 |

| C011 | python | b | 5 | 332 | 1233 |

| C101 | python | d | 3 | 332 | 1233 |

+-----------+-------------+-------------+--------+---------+--------+

6 rows in set (0.00 sec)