

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

Questions:

1. Populate all the five tables with your own data

MySQL 5.5 Command Line Client

```
mysql> insert into student values(192,'uday','m','2004-05-08','938174374','nellore');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> describe student;
```

Field	Type	Null	Key	Default	Extra
regno	int(3)	NO	PRI	NULL	
name	varchar(15)	YES		NULL	
gender	char(1)	YES		NULL	
dob	date	YES		NULL	
mobilen	int(10)	NO		NULL	
city	varchar(15)	YES		NULL	

6 rows in set (0.01 sec)

```
mysql> select *from student;
```

regno	name	gender	dob	mobilen	city
192	uday	m	2004-05-08	938174374	nellore

1 row in set (0.00 sec)

```
mysql> insert into student values(123,'surya','m','2003-02-03','701012333','ambattur');
Query OK, 1 row affected (0.03 sec)
```

```
mysql> insert into student values(124,'monish','f','2004-03-27','837493110','ongole');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select *from student;
```

regno	name	gender	dob	mobilen	city
123	surya	m	2003-02-03	701012333	ambattur
124	monish	f	2004-03-27	837493110	ongole
192	uday	m	2004-05-08	938174374	nellore

3 rows in set (0.01 sec)

```
mysql>
```

```
mysql> insert into department values(11,'cse','dr.padmakala');
ERROR 1406 (22001): Data too long for column 'depthead' at row 1
```

```
mysql> insert into department values(11,'cse','hod');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into department values(10,'it','head');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into department values(24,'ai','dean');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select *from department;
```

deptno	deptname	depthead
10	it	head
11	cse	hod
24	ai	dean

3 rows in set (0.00 sec)

```
mysql>
```

```
mysql> insert into faculty values(01,'kalavathi','f','1986-09-20','2019-09-07','919191919',24);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into faculty values(02,'ram','m','1967-09-20','2020-03-05','984876532',10);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into faculty values(03,'sita','f','1956-08-02','2004-03-01','974535689',11);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select *from faculty;
```

	facno	facname	gender	dob	doj	mobilen	deptno
1	1	kalavathi	f	1986-09-20	2019-09-07	919191919	24
2	2	ram	m	1967-09-20	2020-03-05	984876532	10
3	3	sita	f	1956-08-02	2004-03-01	974535689	11

```
3 rows in set (0.00 sec)
```

```
mysql>
```

```
mysql> insert into course values(cs1,'dbms','m','02','302','1');
ERROR 1054 (42S22): Unknown column 'cs1' in 'field list'
```

```
mysql> insert into course values('cs1','dbms','m','02','302','1');
ERROR 1406 (22001): Data too long for column 'semno' at row 1
```

```
mysql> insert into course values('cs1','dbms','m','2','302','1');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into course values('cs2','cn','m','1','202','2');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into course values('cs3','se','m','2','202','2');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select *from course;
```

	courseno	coursedes	coursetype	semno	hallno	facno
1	cs1	dbms	m	2	302	1
2	cs2	cn	m	1	202	2
3	cs3	se	m	2	202	2

```
3 rows in set (0.00 sec)
```

2. Update the value of student name whose register number is '124'

```
mysql> update student set name='venkat' where regno=124;
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> select *from student;
+-----+-----+-----+-----+-----+-----+
| regno | name  | gender | dob       | mobileno | city    |
+-----+-----+-----+-----+-----+-----+
| 123   | surya | m      | 2003-02-03 | 701012333 | ambattur |
| 124   | venkat | f      | 2004-03-27 | 837493110 | ongole   |
| 192   | uday  | m      | 2004-05-08 | 938174374 | nellore  |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

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

```
mysql> delete from faculty where facname='kalavathi';
Query OK, 1 row affected (0.01 sec)

mysql> select *from faculty;
+-----+-----+-----+-----+-----+-----+-----+
| facno | facname | gender | dob       | doj       | mobileno | deptno |
+-----+-----+-----+-----+-----+-----+-----+
| 2     | ram     | m      | 1967-09-20 | 2020-03-05 | 984876532 | 10     |
| 3     | sita    | f      | 1956-08-02 | 2004-03-01 | 974535689 | 11     |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

MySQL 5.5 Command Line Client

```
mysql> update faculty set dob='1983-05-01' where facname='ram';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select *from faculty;
+-----+-----+-----+-----+-----+-----+-----+
| facno | facname | gender | dob       | doj       | mobileno | deptno |
+-----+-----+-----+-----+-----+-----+-----+
| 2     | ram     | m      | 1983-05-01 | 2020-03-05 | 984876532 | 10     |
| 3     | sita    | f      | 1956-08-02 | 2004-03-01 | 974535689 | 11     |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

5. Remove all faculty who are having over 65 years

```
mysql> delete from faculty where dob='1956-08-02';
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select *from faculty;
```

facno	facname	gender	dob	doj	mobilen	deptno
2	ram	m	1983-05-01	2020-03-05	984876532	10

1 row in set (0.00 sec)

6. View all the records from the five tables.

MySQL 5.5 Command Line Client

```
mysql> use test;
```

Database changed

```
mysql> select *from student;
```

regno	name	gender	dob	mobilen	city
123	surya	m	2003-02-03	701012333	ambattur
124	venkat	f	2004-03-27	837493110	ongole
192	uday	m	2004-05-08	938174374	nellore

3 rows in set (0.01 sec)

```
mysql> select *from faculty;
```

facno	facname	gender	dob	doj	mobilen	deptno
2	ram	m	1983-05-01	2020-03-05	984876532	10

1 row in set (0.00 sec)

```
mysql> select *from department;
```

deptno	deptname	depthead
10	it	head
11	cse	hod
24	ai	dean

3 rows in set (0.00 sec)

```
mysql> select *from course;
```

courseno	coursedes	coursetype	semno	hallno	facno
cs1	dbms	m	2	302	1
cs2	cn	m	1	202	2
cs3	se	m	2	202	2

3 rows in set (0.00 sec)

```
mysql>
```