

Practical Assignment 5: Execute DDL/DML statements that demonstrate the use of views.

Update the base table using its corresponding view. Also consider restrictions on updated views and performing view creation from multiple tables.

```
mysql> Create database student;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> use student
```

Database changed

```
mysql> create table student
```

```
-> (
-> sid int(10),
-> sname char(20),
-> marks int(10),
-> gender varchar(10),
-> branch varchar(20)
-> );
```

```
Query OK, 0 rows affected, 2 warnings (0.03 sec)
```

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
sname	char(20)	YES		NULL	
marks	int	YES		NULL	
gender	varchar(10)	YES		NULL	
branch	varchar(20)	YES		NULL	

5 rows in set (0.00 sec)

```
mysql> insert into student values(100,'SHREE',99,'Male','IT');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(101,'SNEHAL',98,'Female','IT');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(103,'SUYASH',97,'Male','CSE');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(104,'SACHIN',95,'Male','ENTC');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(105,'NIKHIL',90,'Male','CE');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(107,'JIVIKA',93,'Female','IT');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(109,'Tejas',95,'Male','CSE');
Query OK, 1 row affected (0.01 sec)
```

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

sid	sname	marks	gender	branch
-----	-------	-------	--------	--------

```

+-----+-----+-----+-----+-----+
| 100 | SHREE | 99 | Male | IT |
| 101 | SNEHAL | 98 | Female | IT |
| 103 | SUYASH | 97 | Male | CSE |
| 104 | SACHIN | 95 | Male | ENTC |
| 105 | NIKHIL | 90 | Male | CE |
| 107 | JIVIKA | 93 | Female | IT |
| 109 | Tejas | 95 | Male | CSE |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

```

```

mysql> create view IT_STUDENT as
-> select * from student where branch='IT';
Query OK, 0 rows affected (0.02 sec)

```

```

mysql> show tables;
+-----+
| Tables_in_student |
+-----+
| it_student         |
| student            |
+-----+
2 rows in set (0.00 sec)

```

```

mysql> select * from IT_student;
+-----+-----+-----+-----+-----+
| sid | sname | marks | gender | branch |
+-----+-----+-----+-----+-----+
| 100 | SHREE | 99 | Male | IT |
| 101 | SNEHAL | 98 | Female | IT |
| 107 | JIVIKA | 93 | Female | IT |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

```

mysql> select * from student;
+-----+-----+-----+-----+-----+
| sid | sname | marks | gender | branch |
+-----+-----+-----+-----+-----+
| 100 | SHREE | 99 | Male | IT |
| 101 | SNEHAL | 98 | Female | IT |
| 103 | SUYASH | 97 | Male | CSE |
| 104 | SACHIN | 95 | Male | ENTC |
| 105 | NIKHIL | 90 | Male | CE |
| 107 | JIVIKA | 93 | Female | IT |
| 109 | Tejas | 95 | Male | CSE |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

```

```

mysql> create view CSE_STUDENT as
-> select * from student where branch='CSE';
Query OK, 0 rows affected (0.02 sec)

```

```

mysql> select * from CSE_STUDENT;
+-----+-----+-----+-----+-----+
| sid | sname | marks | gender | branch |
+-----+-----+-----+-----+-----+

```

103	SUYASH	97	Male	CSE
109	Tejas	95	Male	CSE

2 rows in set (0.00 sec)

```
mysql> create view ENTC_STUDENT as
-> select * from student where branch='ENTC';
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select * from ENTC_STUDENT;
```

sid	sname	marks	gender	branch
104	SACHIN	95	Male	ENTC

1 row in set (0.00 sec)

```
mysql> update IT_STUDENT
-> set marks=99 where sid=100;
Query OK, 0 rows affected (0.01 sec)
Rows matched: 1 Changed: 0 Warnings: 0
```

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

sid	sname	marks	gender	branch
100	SHREE	99	Male	IT
101	SNEHAL	98	Female	IT
103	SUYASH	97	Male	CSE
104	SACHIN	95	Male	ENTC
105	NIKHIL	90	Male	CE
107	JIVIKA	93	Female	IT
109	Tejas	95	Male	CSE

7 rows in set (0.00 sec)

```
mysql> show tables;
```

Tables_in_student
cse_student
entc_student
it_student
student

4 rows in set (0.00 sec)