

# Experiment No: 8

Aim: Views and Triggers

Objective :

- To create views on tables.
- To create triggers on the database.

Software Requirement: MySQL 5.6 on Ubuntu 16.04

Theory:

Views:

Create View Syntax:

```
CREATE VIEW view_name AS  
SELECT column1, column2, ...  
FROM table_name  
WHERE condition;
```

- Update View Syntax:

```
CREATE OR REPLACE VIEW view_name AS  
SELECT column1, column2, ...  
FROM table_name  
WHERE condition;
```

- Drop View Syntax:

```
DROP VIEW view_name;
```

## View

### Table need to create

#### 1) employee

```
+-----+-----+-----+-----+-----+
| eid | ename | address | salary | dno |
+-----+-----+-----+-----+-----+
| 101 | sarita | mumbai | 50000.00 | 2 |
| 102 | amit | mumbai | 670000.00 | 2 |
| 103 | smith | Thane | 34000.00 | 1 |
+-----+-----+-----+-----+-----+
3 rows in set (0.13 sec)
```

#### 2) department

```
create table department
(dnum int(10) primary key,
dname varchar(10) not null,
location varchar(20) default 'Mumbai');
```

```
mysql> insert into department values(1,'comp','mumbai'),(2,'extc','thane');
```

## **Trigger**

### **Table need to create**

#### **1) employee**

```
create table employee
( eid int(10) primary key,
  ename varchar(10) not null,
  address varchar(20) not null,
  salary decimal(10,2),
  dno int(10),
  foreign key (dno) references department(dnum));
```

#### **2) exam**

```
create table exam
(rollno int(5) primary key,
 name varchar(10),
 dbms int(5),
 cg int(5),
 os int(5))
```

#### **3) result**

```
create table result
(rollno int (5),
 total int(10));
```

```
insert into exam values(10,'sarita',40,50,55);
```

```
insert into exam values(11,'sumit',47,66,55);
```