<center>Trigger</center>

```
//Rollback and commit not allowed
mysql> create database triggers;

mysql> use triggers;

mysql> create table emp(ename varchar(10),sal int,depno int);

mysql> insert into emp values('A',5000,1),
    -> ('B',5000,1),
    -> ('C',5000,1),
    -> ('D',3000,2),
    -> ('E',2000,2);

mysql> create table deptot(depno int,sal int);

mysql> create table temp(fir int,sec varchar(15));

mysql> delimiter //
mysql> create trigger abc
    -> before insert
    -> on emp for each row
    -> begin
    -> insert into temp values(1,'inserted');
    -> end;//

mysql> delimiter ;
mysql> insert into emp values('F',2500,1);

mysql> select * from temp;
+------+----------+
| fir  | sec      |
+------+----------+
|    1 | inserted |
+------+----------+

************************************************************************************
*************
fetching records from other table in emp table
for each record trigger call automatically

mysql> select * from empdemo;
+-------+------+-------+
| ename | sal  | depno |
+-------+------+-------+
| AB    | 5000 |     1 |
| BC    | 5000 |     1 |
| CD    | 5000 |     1 |
| D     | 3000 |     2 |
| E     | 2000 |     2 |
| F     | 2500 |     1 |
+-------+------+-------+

mysql> insert into emp select * from empdemo limit 3;
Query OK, 3 rows affected (0.12 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from temp;
+------+----------+
| fir  | sec      |
+------+----------+
|    1 | inserted |
|    1 | inserted |
```

```
|    1 | inserted |
+------+----------+

*********************************************
new.sal,new.ename are mysql created variable

mysql> delimiter ;
mysql> delimiter //
mysql> create trigger abcd
    -> before insert
    -> on emp for each row
    -> begin
    -> insert into temp values(new.sal,new.ename);
    -> end;//

mysql> delimiter ;
mysql> insert into emp values('r',555,4);

mysql> select * from temp;
+------+----------+
| fir  | sec      |
+------+----------+
|    1 | inserted |
|    1 | inserted |
|    1 | inserted |
|    1 | inserted |
|    1 | inserted |
|  555 | r        |
+------+----------+
---------------------------------------------
   To update sal in deptot table not trigger::

mysql> delimiter //
mysql> create trigger abcde
    -> before insert
    -> on emp for each row
    -> begin
    -> update deptot set sal=sal+new.sal
    -> where depno =new.depno;
    -> end;//
Query OK, 0 rows affected (0.15 sec)

1.mysql> insert into deptot values(1,5000),(2,6500),(3,555);

mysql> select * from deptot;
mysql> select * from deptot;
+-------+------+
| depno | sal  |
+-------+------+
|     1 | 5000 |
|     2 | 6500 |
|     3 |  555 |
+-------+------+

*********************************************
                      ##delete records from emp table## maintain temp(log) of
deletion

mysql> delimiter //
mysql> create trigger x
    -> before delete
    -> on emp for each row
    -> begin
    -> insert into temp values(1,'deleted');
```

```
    -> end;//

mysql> delete from emp where depno=3;

mysql> select * from temp;
+------+---------+
| fir  | sec     |
+------+---------+
|    1 | deleted |
+------+---------+
```