

## **OBJECTIVES**

- Trigger
  - A trigger is a statement that the system executes automatically as a side effect of a modification to the database
  - insert, update, delete
  - before, after

```
drop trigger if exists instuctor03 salary;
DELIMITER $$
create trigger instuctor03 salary before update on instructor03
for each row
begin
declare MESSAGE_TEXT varchar(200);
if NEW.salary < 0 then
 signal sqlstate 'AL001' set MESSAGE TEXT = 'error salary is less than zero';
end if;
end$$
DELIMITER;
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```

## LAB(1)

- 1.创建一个新教师表instructor3,该教师表的元祖集合为空值;
- 2.创建日志表mylog3,属性包括id, tbname, colname, event, oldvalue, newvalue, date等字段,其中id为自增长字段auto\_increment;
- 3.针对新教师表instructor3,增加插入、修改两个触发器,记录对该表操作的事件类型和相关值到日志表mylog3
- 4.从原教师表instructor中导入ID大于等于30000的5个记录信息到新教师表instructor3,显示导入前后新教师表的记录信息和日志表mylog3;
- 5. 在新教师表instructor3对所有教师的工资在原来基础上增加一倍,显示修改前后新教师表的记录信息和日志表mylog3;
- 6. 删除新教师表instructor3中的所有教师,显示删除前后新教师表的记录信息和日志表mylog3;
- 7. 查看日志表mylog3中的记录情况 ©LXD