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**Roll No: 23 Batch: T2**

**Experiment No: 8**

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| sample |

| test |

+--------------------+

5 rows in set (0.00 sec)

mysql> create database bank;

Query OK, 1 row affected (0.00 sec)

mysql> use bank;

Database changed

mysql> create table account(accno int, amount int);

Query OK, 0 rows affected (0.01 sec)

mysql> insert into account values(101, 100), (102, 100), (103, 0);

Query OK, 3 rows affected (0.00 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from account;

+-------+--------+

| accno | amount |

+-------+--------+

| 101 | 100 |

| 102 | 100 |

| 103 | 0 |

+-------+--------+

3 rows in set (0.00 sec)

mysql> delimiter @@

mysql> create trigger upcheck1 before insert on account

-> for each row

-> begin

-> if new.amount < 0 then

-> set new.amount = 0;

-> elseif new.amount > 100 then

-> set new.amount = 100;

-> end if;

-> end;

-> @@

Query OK, 0 rows affected (0.01 sec)

mysql> insert into account values(102, 400);

-> select \* from account;

-> @@

Query OK, 1 row affected (0.01 sec)

+-------+--------+

| accno | amount |

+-------+--------+

| 101 | 100 |

| 102 | 100 |

| 103 | 0 |

| 102 | 100 |

+-------+--------+

4 rows in set (0.01 sec)

mysql> insert into account values(103, -600);

-> select \* from account;

-> @@

Query OK, 1 row affected (0.01 sec)

+-------+--------+

| accno | amount |

+-------+--------+

| 101 | 100 |

| 102 | 100 |

| 103 | 0 |

| 102 | 100 |

| 103 | 0 |

+-------+--------+

5 rows in set (0.01 sec)

mysql> create table account2 (acc\_no int, amount int);

Query OK, 0 rows affected (0.03 sec)

mysql> insert into account2 values(101,4000),(102, 5000),(104,-567),(105,-200);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from account2;

+--------+--------+

| acc\_no | amount |

+--------+--------+

| 101 | 4000 |

| 102 | 5000 |

| 104 | -567 |

| 105 | -200 |

+--------+--------+

4 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create trigger up\_check4 before update on account2

-> for each row

-> begin

-> if new.amount<0 then

-> set new.amount=0;

-> elseif new.amount>100 then

-> set new.amount=100;

-> end if;

-> end;

-> insert into account2 values(105,-300);

-> $$

Query OK, 0 rows affected (0.01 sec)

Query OK, 1 row affected (0.02 sec)

mysql> select \* from account2;

-> $$

+--------+--------+

| acc\_no | amount |

+--------+--------+

| 101 | 4000 |

| 102 | 5000 |

| 104 | -567 |

| 105 | -200 |

| 105 | -300 |

+--------+--------+

5 rows in set (0.00 sec)

mysql> drop trigger up\_check4;

-> $$

Query OK, 0 rows affected (0.01 sec)