mysql> use Moon

Database changed

mysql> create table stud(sid int(20),name varchar(20),class varchar(20),age int(3),issued varchar(20));

Query OK, 0 rows affected, 2 warnings (0.06 sec)

mysql> create table returned(sid int(20),bname varchar(20),bauthor varchar(20));

Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> insert into stud values(01,"Sumit","TE",19,"I");

Query OK, 1 row affected (0.01 sec)

mysql> create table issued(sid int(20),bname varchar(20));

Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> alter table stud add column bname varchar(20);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> delimiter //

mysql> create trigger tr\_ins\_stud

-> before insert

-> on stud

-> for each row

-> begin

-> insert into issued values(new.sid,new.bname);

-> end //

Query OK, 0 rows affected (0.02 sec)

mysql> delimiter ;

mysql> insert into stud values(02,"Nawale","SE",20,"I","SQL");

Query OK, 1 row affected (0.01 sec)

mysql> select \*from issued;

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

| sid | bname |

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

| 2 | SQL |

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

1 row in set (0.00 sec)

mysql> delimiter //

mysql> create trigger tr\_del\_stud

-> after delete

-> on stud

-> for each row

-> begin

-> delete from issued where sid=old.sid;

-> end //

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> delete from stud where sid=2;

Query OK, 1 row affected (0.01 sec)

mysql> select \*from issued;

Empty set (0.00 sec)

mysql> delimiter //

mysql> create trigger tr\_up\_issued

-> after update

-> on stud

-> for each row

-> begin

-> update issued

-> set sid=new.sid where sid=old.sid;

-> end //

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> insert into stud values(03,"Jaydip","TE",20,"I","java");

Query OK, 1 row affected (0.01 sec)

mysql> update stud set sid=1 where sid=3;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \*from stud;

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

| sid | name | class | age | issued | bname |

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

| 1 | Sumit | TE | 19 | I | NULL |

| 1 | Jaydip | TE | 20 | I | java |

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

2 rows in set (0.00 sec)

mysql> select \*from issued;

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

| sid | bname |

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

| 1 | java |

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

1 row in set (0.00 sec)

mysql> show triggers;

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

| Trigger | Event | Table | Statement

| Timing | Created | sql\_mode

| Definer | character\_set\_client | collation\_connection | Database Collation |

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

| tr\_ins\_stud | INSERT | stud | begin

insert into issued values(new.sid,new.bname);

end | BEFORE | 2024-11-15 18:46:49.38 | ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | utf8mb4\_0900\_ai\_ci |

| tr\_up\_issued | UPDATE | stud | begin

update issued

set sid=new.sid where sid=old.sid;

end | AFTER | 2024-11-15 18:52:19.95 | ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | utf8mb4\_0900\_ai\_ci |

| tr\_del\_stud | DELETE | stud | begin

delete from issued where sid=old.sid;

end | AFTER | 2024-11-15 18:50:17.67 | ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | utf8mb4\_0900\_ai\_ci |

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

3 rows in set (0.02 sec)