Enter password: \*\*\*\*\*\*\*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 22

Server version: 8.0.36 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

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

| Database |

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

| cheat5 |

| college |

| information\_schema |

| member |

| mysql |

| performance\_schema |

| sakila |

| student |

| sys |

| test |

| world |

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

11 rows in set (0.00 sec)

mysql> use college; Database changed mysql> show tables;

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

| Tables\_in\_college |

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

| best |

| placement |

| student |

| student1 |

| teacher |

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

5 rows in set (0.00 sec)

mysql> select \* from student;

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

| rollno | sname | address | mobileno | email | branch | marks |

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

| 3 | Meghraj | shardanagar | 9405060708 | meghraj@gmail.com | IT | 98 |

+--------+---------+-------------+------------+-------------------+--------+-------+ 1 row in set (0.00 sec)

mysql> select \* from student1;

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

| rollno | sname | address | mobileno | branch | emailadd | marks | age | Admission\_date |

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

| 3 | raviraj | shardanagar | 9405060708 | comp | meghrajbhosale@gmail.com | 99 | NULL |

2023-07-14 |

| 5 | Ankit | malkapur | 8010112818 | COMP | ankitbharambe@gmail.com | 98 | NULL | 2023-07-18 |

| 15 | pravin | solapur | 9449944949 | IT | prrathod@gmail.com | 72 | NULL | 202307-28 |

| 16 | rushikesh | pandharpur | 9449944994 | IT | rushikeshW@gmail.com | 79 | NULL | 2023-07-22 |

| 37 | varad | vaibhavvadi | 9494949494 | AIDS | varadb@gmail.com | 89 | NULL | 2023-07-20 |

+--------+-----------+-------------+------------+--------+--------------------------+-------+------+----------------+ 5 rows in set (0.01 sec)

mysql> create table customer(age int,cid int,cname varchar(255));

Query OK, 0 rows affected (0.02 sec)

mysql> desc customer;

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

| Field | Type | Null | Key | Default | Extra |

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

| age | int | YES | | NULL | |

| cid | int | YES | | NULL | |

| cname | varchar(255) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> delimiter $$ mysql> create trigger age\_verify

-> before insert on customer

-> for each row

-> begin

-> if new.age<0 then set new.age=0;

-> end if;

-> end $$

Query OK, 0 rows affected (0.01 sec)

mysql> insert into customer values(25,2,"meghraj");

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> insert into customer values(-32,1,"ismail");

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> insert into customer values(40,3,"ankit");

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> insert into customer values(-11,4,"varad");

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> select \* from customer;

-> $$

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

| age | cid | cname |

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

| 25 | 2 | meghraj |

| 0 | 1 | ismail |

| 40 | 3 | ankit |

| 0 | 4 | varad |

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

4 rows in set (0.00 sec)

mysql> create table customer1(id int auto\_increment primary key,cname varchar(255),address varchar(255));

Query OK, 0 rows affected (0.04 sec)

mysql> desc customer1;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | auto\_increment |

| cname | varchar(255) | YES | | NULL | |

| address | varchar(255) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> create table message(id int auto\_increment,cname varchar(255),address varchar(255), primary key(id,cname));

Query OK, 0 rows affected (0.02 sec)

mysql> delimiter $$

mysql> create trigger after\_insert

-> after insert on customer1

-> for each row

-> begin

-> if new.address is NULL then

-> insert into message(cname,address)

-> values(new.cname,concat("hi",new.cname,"please update your address"));

-> end if;

-> end $$

Query OK, 0 rows affected (0.02 sec)

mysql> insert into customer1 values(1,"ankit",NULL);

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> insert into customer1 values(2,"rachit","akot");

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> insert into customer1 values(3,"raviraj","karad");

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> insert into customer1 values(4,"jayesh",NULL);

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> select \* from customer1;

-> $$

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

| id | cname | address |

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

| 1 | ankit | NULL |

| 2 | rachit | akot |

| 3 | raviraj | karad |

| 4 | jayesh | NULL |

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

4 rows in set (0.00 sec)

mysql> select \* from message;

-> $$

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

| id | cname | address |

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

| 1 | ankit | hiankitplease update your address |

| 2 | jayesh | hijayeshplease update your address |

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

2 rows in set (0.00 sec)

mysql> create table result(id int auto\_increment primary key,name varchar(50),marks int,grade long);

Query OK, 0 rows affected (0.02 sec)

mysql> desc result;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | auto\_increment |

| name | varchar(50) | YES | | NULL | |

| marks | int | YES | | NULL | |

| grade | mediumtext | YES | | NULL | |

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

4 rows in set (0.01 sec)

mysql> insert into result values(1,"ankit",100,"O");

Query OK, 1 row affected (0.00 sec)

mysql> insert into result values(2,"rachit",89,"O");

Query OK, 1 row affected (0.01 sec)

mysql> insert into result values(3,"jayesh",98,"O");

Query OK, 1 row affected (0.00 sec)

mysql> insert into result values(4,"ramu",45,"P");

Query OK, 1 row affected (0.01 sec)

mysql> insert into result values(5,"ajinkya",76,"B");

Query OK, 1 row affected (0.01 sec)

mysql> insert into result values(6,"laukik",36,"P");

Query OK, 1 row affected (0.01 sec)

mysql> select \* from result;

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

| id | name | marks | grade |

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

| 1 | ankit | 100 | O |

| 2 | rachit | 89 | O |

| 3 | jayesh | 98 | O |

| 4 | ramu | 45 | P |

| 5 | ajinkya | 76 | B |

| 6 | laukik | 36 | P |

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

6 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create trigger before\_update

-> before update on result

-> for each row

-> begin

-> if new.marks<=50 then

-> set new.grade="F";

-> end if;

-> end;

-> $$

Query OK, 0 rows affected (0.01 sec)

mysql> update result set marks=39 where name="laukik";

-> $$

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from result;

-> $$

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

| id | name | marks | grade |

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

| 1 | ankit | 100 | O |

| 2 | rachit | 89 | O |

| 3 | jayesh | 98 | O |

| 4 | ramu | 45 | P |

| 5 | ajinkya | 76 | B |

| 6 | laukik | 39 | F |

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

6 rows in set (0.00 sec)

mysql> update result set marks=45;

-> $$

Query OK, 6 rows affected (0.01 sec)

Rows matched: 6 Changed: 6 Warnings: 0

mysql> select \* from result;

-> $$

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

| id | name | marks | grade |

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

| 1 | ankit | 45 | F |

| 2 | rachit | 45 | F |

| 3 | jayesh | 45 | F |

| 4 | ramu | 45 | F |

| 5 | ajinkya | 45 | F |

| 6 | laukik | 45 | F |

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

6 rows in set (0.00 sec)

mysql> create table sal\_cal(id int primary key,name varchar(255) not null,w\_h int default 0,p\_d\_s int default 0,total\_salary int default 0);

Query OK, 0 rows affected (0.04 sec)

mysql> desc sal\_cal;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| name | varchar(255) | NO | | NULL | |

| w\_h | int | YES | | 0 | |

| p\_d\_s | int | YES | | 0 | |

| total\_salary | int | YES | | 0 | |

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

5 rows in set (0.01 sec)

mysql> select \* from sal\_cal;

Empty set (0.00 sec)

mysql> insert into sal\_cal(id,name,w\_h,p\_d\_s)values(1,"meghraj",6,10000);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from sal\_cal;

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

| id | name | w\_h | p\_d\_s | total\_salary |

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

| 1 | meghraj | 6 | 10000 | 0 |

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

1 row in set (0.00 sec)

mysql> delimiter $$

mysql> create trigger before\_insert

-> before insert on sal\_cal

-> for each row

-> begin

-> set new.total\_salary=new.w\_h \* new.p\_d\_s;

-> end;

-> $$

Query OK, 0 rows affected (0.01 sec)

mysql> insert into sal\_cal(id,name,w\_h,p\_d\_s)values(2,"ismail",8,4000);

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> select \* from sal

-> $$

ERROR 1146 (42S02): Table 'college.sal' doesn't exist

mysql> select \* from sal\_cal;

-> $$

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

| id | name | w\_h | p\_d\_s | total\_salary |

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

| 1 | meghraj | 6 | 10000 | 0 |

| 2 | ismail | 8 | 4000 | 32000 |

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

2 rows in set (0.00 sec)

mysql>

mysql> insert into sal\_cal(id,name,w\_h,p\_d\_s)values(3,"sahil",9,6000);

-> $$

Query OK, 1 row affected (0.01 sec)

mysql> select \* from sal\_cal;

-> $$

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

| id | name | w\_h | p\_d\_s | total\_salary |

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

| 1 | meghraj | 6 | 10000 | 0 |

| 2 | ismail | 8 | 4000 | 32000 |

| 3 | sahil | 9 | 6000 | 54000 |

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

3 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create trigger before\_update\_end

-> before update on sal\_cal

-> for each row

-> begin

-> set new.total\_salary=new.w\_h \* new.p\_d\_s;

-> end;

-> $$

Query OK, 0 rows affected (0.01 sec)

mysql> update sal\_cal set w\_h=10,p\_d\_s=1000 where id=1;

-> $$

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from sal\_cal;

-> $$

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

| id | name | w\_h | p\_d\_s | total\_salary |

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

| 1 | meghraj | 10 | 1000 | 10000 |

| 2 | ismail | 8 | 4000 | 32000 |

| 3 | sahil | 9 | 6000 | 54000 |

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

3 rows in set (0.00 sec)

mysql>