Setting environment for using XAMPP for Windows.

728699@128-IMAC12 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database triggers;

Query OK, 1 row affected (0.05 sec)

MariaDB [(none)]> use triggers;

Database changed

MariaDB [triggers]> CREATE OR REPLACE TABLE EMP\_DETAILS(

-> EMPLOYEE\_ID INTEGER(6) PRIMARY KEY,

-> FIRST\_NAME VARCHAR(20),

-> LAST\_NAME VARCHAR(25) NOT NULL,

-> EMAIL VARCHAR(25) NOT NULL,

-> PHONE\_NUMBER VARCHAR(20),

-> HIRE\_DATE DATE,

-> JOB\_ID VARCHAR(10) NOT NULL,

-> SALARY REAL(8,2),

-> COMMISSION\_PCT REAL(2,2));

Query OK, 0 rows affected (5.01 sec)

MariaDB [triggers]>

MariaDB [triggers]> INSERT INTO EMP\_DETAILS VALUES(100,'STEVEN','KING','STEVEN.KING@GMAIL.COM','2345678','1998-01-14','AD\_PRES',24000.0,0.10);

Query OK, 1 row affected (0.31 sec)

MariaDB [triggers]> INSERT INTO EMP\_DETAILS VALUES(101,'NEENA','KOCHHAR','NEENA.KOCHHAR@GMAIL.COM','2345678','2002-10-10','AD\_VP',17000.0,0.50);

Query OK, 1 row affected (0.36 sec)

MariaDB [triggers]> INSERT INTO EMP\_DETAILS VALUES(102,'LEX','DE HANN','LEX.HANN@GMAIL.COM','2345678','1995-10-20','AD\_VP',17000.0,0.50);

Query OK, 1 row affected (0.53 sec)

MariaDB [triggers]> INSERT INTO EMP\_DETAILS VALUES(103,'ALEXANDER','HUNOLD','ALEXANDER.HUNOLD@GMAIL.COM','2345678','2002-11-23','IT\_PROG',9000.0,0.25);

Query OK, 1 row affected, 1 warning (0.64 sec)

MariaDB [triggers]> INSERT INTO EMP\_DETAILS VALUES(104,'BRUCE','ERNST','BRUCE.ERNST@GMAIL.COM','2345678','2003-08-24','IT\_PROG',6000.0,0.25);

Query OK, 1 row affected (0.39 sec)

MariaDB [triggers]> INSERT INTO EMP\_DETAILS VALUES(105,'DAVID','AUSTIN','DAVID.AUSTIN@GMAIL.COM','2345678','2005-04-10','IT\_PROG',4800.0,0.25);

Query OK, 1 row affected (0.36 sec)

MariaDB [triggers]> CREATE OR REPLACE TABLE LOG\_EMP\_DETAILS(

-> EMPLOYEE\_ID INTEGER(6),

-> SALARY DOUBLE(8,2),

-> EDTTIME DATETIME);

Query OK, 0 rows affected (4.30 sec)

MariaDB [triggers]>

MariaDB [triggers]> CREATE OR REPLACE TABLE LOG\_EMP\_DETAILS\_UPDATE(

-> USER VARCHAR(50),

-> DESCRIPTION VARCHAR(100),

-> UDTTIME DATETIME);

Query OK, 0 rows affected (3.56 sec)

MariaDB [triggers]> CREATE OR REPLACE TABLE STUD\_MARKS(

-> STUDENT\_ID INTEGER(3) PRIMARY KEY,

-> NAME VARCHAR(40) NOT NULL,

-> SUB1 DOUBLE(4,2),

-> SUB2 DOUBLE(4,2),

-> SUB3 DOUBLE(4,2),

-> SUB4 DOUBLE(4,2),

-> SUB5 DOUBLE(4,2),

-> TOTAL DOUBLE(5,2),

-> PERCENTAGE DOUBLE(4,2),

-> GRADE VARCHAR(20));

Query OK, 0 rows affected (4.19 sec)

MariaDB [triggers]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(1,'ALEX');

Query OK, 1 row affected (0.30 sec)

MariaDB [triggers]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(2,'BOB');

Query OK, 1 row affected (0.45 sec)

MariaDB [triggers]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(3,'CHARLEY');

Query OK, 1 row affected (0.98 sec)

MariaDB [triggers]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(4,'DONNA');

Query OK, 1 row affected (0.56 sec)

MariaDB [triggers]>

MariaDB [triggers]> CREATE TABLE price\_logs (

-> id INT(11) PRIMARY KEY AUTO\_INCREMENT,

-> product\_code INT(3) NOT NULL,

-> price DECIMAL(10) NOT NULL);

Query OK, 0 rows affected (4.51 sec)

MariaDB [triggers]> CREATE TABLE user\_change\_logs (

-> id int(11) NOT NULL AUTO\_INCREMENT,

-> product\_code INT(3) DEFAULT NULL,

-> updated\_at timestamp NOT NULL DEFAULT CURRENT\_TIMESTAMP,

-> updated\_by varchar(30) NOT NULL,

-> PRIMARY KEY (id));

Query OK, 0 rows affected (3.42 sec)

MariaDB [triggers]> tee c:/xampp/day12.txt

Logging to file 'c:/xampp/day12.txt'

MariaDB [triggers]> show triggers from triggers;

Empty set (0.19 sec)

MariaDB [triggers]> create trigger number(

-> n1 float(10,2));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(

n1 float(10,2))' at line 1

MariaDB [triggers]> create table number(

-> n1 float

-> (10,2) );

Query OK, 0 rows affected (1.12 sec)

MariaDB [triggers]> create trigger ins\_sum

-> before insert on number

-> for each row set @sum=@sum+new.n1;

Query OK, 0 rows affected (0.82 sec)

MariaDB [triggers]> show triggers;

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

| Trigger | Event | Table | Statement | Timing | Created | sql\_mode | Definer | character\_set\_client | collation\_connection | Database Collation |

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

| ins\_sum | INSERT | number | set @sum=@sum+new.n1 | BEFORE | NULL | NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | latin1\_swedish\_ci |

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

1 row in set (0.07 sec)

MariaDB [triggers]> insert into number values(2.3);

Query OK, 1 row affected (0.14 sec)

MariaDB [triggers]> select \* from number;

+------+

| n1 |

+------+

| 2.30 |

+------+

1 row in set (0.00 sec)

MariaDB [triggers]> show tables;

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

| Tables\_in\_triggers |

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

| emp\_details |

| log\_emp\_details |

| log\_emp\_details\_update |

| number |

| price\_logs |

| stud\_marks |

| user\_change\_logs |

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

7 rows in set (0.00 sec)

MariaDB [triggers]> select @sum;

+------+

| @sum |

+------+

| NULL |

+------+

1 row in set (0.00 sec)

MariaDB [triggers]> delimiter $$

MariaDB [triggers]> create trigger 'triggers'.'emp\_details\_ains'

-> alter insert on 'triggers'.emp\_details'$$

'>

'> $$

'> '$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ''triggers'.'emp\_details\_ains'

alter insert on 'triggers'.emp\_details'$$

$$

'' at line 1

MariaDB [triggers]> create trigger `triggers`.`emp\_details\_ans`

-> after insert on `triggers`.`emp\_details`

-> for each row

-> begin

-> insert into log

-> $$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 5

MariaDB [triggers]> CREATE

-> TRIGGER`csd2204w18`.`emp\_details\_AINS` AFTERINSERTON`csd2204w18`.`emp\_details` FOREACHROW

-> BEGIN

-> INSERTINTOlog\_emp\_detailsVALUES(NEW.employee\_id, NEW.salary,NOW());

-> END$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AFTERINSERTON`csd2204w18`.`emp\_details` FOREACHROW

BEGIN

INSERTINTOlog\_emp\_detai' at line 2

MariaDB [triggers]> create trigger `triggers`.`emp\_details\_ains`

-> after insert on `triggers`.`emp.details`

-> for each row

-> begin

-> insert into log\_emp\_details values(new.employee\_id,new.salary,now());

-> end$$

ERROR 1146 (42S02): Table 'triggers.emp.details' doesn't exist

MariaDB [triggers]> CREATE

-> TRIGGER`csd2204w18`.`emp\_details\_AINS` AFTERINSERTON`csd2204w18`.`emp\_details` FOREACHROW

-> BEGIN

-> INSERTINTOlog\_emp\_detailsVALUES(NEW.employee\_id, NEW.salary,NOW());

->

-> $$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AFTERINSERTON`csd2204w18`.`emp\_details` FOREACHROW

BEGIN

INSERTINTOlog\_emp\_detai' at line 2

MariaDB [triggers]> CREATE

-> TRIGGER`csd2204w18`.`emp\_details\_AINS` AFTERINSERTON`csd2204w18`.`emp\_details` FOREACHROW

-> BEGIN

-> INSERTINTOlog\_emp\_detailsVALUES(NEW.employee\_id, NEW.salary,NOW());

-> END$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AFTERINSERTON`csd2204w18`.`emp\_details` FOREACHROW

BEGIN

INSERTINTOlog\_emp\_detai' at line 2

MariaDB [triggers]> create trigger `csd2204w18`.`emp\_details\_ains`

-> after insert on `csd2204w18`.`emp\_details`

-> for each row

-> begin

-> insert into log\_emp details values (new.employee\_id,new.salary,now());

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'details values (new.employee\_id,new.salary,now());

end' at line 5

MariaDB [triggers]> create trigger `csd2204w18`.`emp\_details\_ains`

-> after insert on `csd2204w18`.`emp\_details`

-> for each row

-> begin

-> insert into log\_emp\_details values (new.employee\_id,new.salary,now());

-> end$$

ERROR 1146 (42S02): Table 'csd2204w18.emp\_details' doesn't exist

MariaDB [triggers]> create trigger insert\_sum1

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'end' at line 2

MariaDB [triggers]> create trigger `triggers`.`emp\_details\_ains`

-> after insert on `triggers`.`emp\_details`

-> for each row

-> begin

-> insert into log\_emp\_details values(new.employee\_id,new.salary,now());

-> end$$

Query OK, 0 rows affected (0.37 sec)

MariaDB [triggers]> create or replace `emp\_details\_bins`

-> before insert on emp\_details

-> for each row

-> begin

-> set new.first\_name=trim(new.first\_name);

-> set new.last\_name=trim(new.last\_name);

-> set new.job\_id=upper(new.job\_id);

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '`emp\_details\_bins`

before insert on emp\_details

for each row

begin

set new.first' at line 1

MariaDB [triggers]> create or replace trigger `emp\_details\_bins`

-> before insert on emp\_details

-> for each row

-> begin

-> set new.first\_name=trim(new.first\_name);

-> set new.last\_name=trim(new.last\_name);

-> set new.job\_id=upper(new.job\_id);

-> end$$

Query OK, 0 rows affected (0.18 sec)

MariaDB [triggers]> insert into emp\_details values(334, ' ana ', ' king','ana','212.21.12.201', '2013-02-05', 'it\_prog', 17000, .50);

-> $$

Query OK, 1 row affected (0.06 sec)

MariaDB [triggers]> select \* from emp\_details;

-> $$

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT |

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

| 100 | STEVEN | KING | STEVEN.KING@GMAIL.COM | 2345678 | 1998-01-14 | AD\_PRES | 24000.00 | 0.10 |

| 101 | NEENA | KOCHHAR | NEENA.KOCHHAR@GMAIL.COM | 2345678 | 2002-10-10 | AD\_VP | 17000.00 | 0.50 |

| 102 | LEX | DE HANN | LEX.HANN@GMAIL.COM | 2345678 | 1995-10-20 | AD\_VP | 17000.00 | 0.50 |

| 103 | ALEXANDER | HUNOLD | ALEXANDER.HUNOLD@GMAIL.CO | 2345678 | 2002-11-23 | IT\_PROG | 9000.00 | 0.25 |

| 104 | BRUCE | ERNST | BRUCE.ERNST@GMAIL.COM | 2345678 | 2003-08-24 | IT\_PROG | 6000.00 | 0.25 |

| 105 | DAVID | AUSTIN | DAVID.AUSTIN@GMAIL.COM | 2345678 | 2005-04-10 | IT\_PROG | 4800.00 | 0.25 |

| 334 | ana | king | ana | 212.21.12.201 | 2013-02-05 | IT\_PROG | 17000.00 | 0.50 |

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

7 rows in set (0.00 sec)

MariaDB [triggers]> create or replace trigger `emp\_details\_aupd`

-> after update on emp\_details for each row

-> begin

-> insert into log\_emp\_details\_update values (user(),concat('Update employee record',old.first\_name,' old salary:'old.salary,' new salary:', new.salary),now());

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '.salary,' new salary:', new.salary),now());

end' at line 4

MariaDB [triggers]> create or replace trigger `emp\_details\_aupd`

-> after update on emp\_details for each row

-> begin

-> insert into log\_emp\_details\_update values (user(),concat('Update employee record','old.first\_name,' old salary:'old.salary,' new salary:', new.salary),now());

'> end$$

'> '$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'salary:'old.salary,' new salary:', new.salary),now());

end$$

'' at line 4

MariaDB [triggers]> create or replace trigger `emp\_details\_aupd`

-> after update on emp\_details for each row

-> begin

-> insert into log\_emp\_details\_update values (user(),concat('Update employee record',old.first\_name,' old salary:'old.salary,' new salary:', new.salary),now());

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '.salary,' new salary:', new.salary),now());

end' at line 4

MariaDB [triggers]> CREATEORREPLACETRIGGER`stud\_marks\_BUPD` BEFOREUPDATEONstud\_marksFOREACHROW BEGIN SETNEW.TOTAL=NEW.SUB1+NEW.SUB2+NEW.SUB3+ NEW.SUB4+NEW.SUB5; SETNEW.PERCENTAGE=NEW.TOTAL/5; IFNEW.PERCENTAGE>=90 THEN SETNEW.GRADE='EXCELLENT'; ELSEIFNEW.PERCENTAGE>=75ANDNEW.PERCENTAGE<90 THEN SETNEW.GRADE='VERYGOOD'; ELSEIFNEW.PERCENTAGE>=60ANDNEW.PERCENTAGE<75 THEN SETNEW.GRADE='GOOD'; ELSEIFNEW.PERCENTAGE>=40ANDNEW.PERCENTAGE<60 THEN SETNEW.GRADE='AVERAGE'; ELSE SETNEW.GRADE='NOTPROMOTED'; ENDIF; END$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'CREATEORREPLACETRIGGER`stud\_marks\_BUPD` BEFOREUPDATEONstud\_marksFOREACHROW BEGIN' at line 1

MariaDB [triggers]> create or replace trigger `stud\_marks\_bupd`

-> before update on stud\_marks for each row

-> begin

-> set new.total=new.sub1+new.sub2+new.sub3+new.sub4+new.sub5;

-> set new.percentage=new.total/5;

-> if new.percentage>=90

-> then set new.grade='Excellent';

-> elseif new.percentage>=75 and new.percentage<90

-> then set new.grade='very good';

-> elseif new.percentage>=60 and new.percentage<75

-> then set new.grade='good';

-> elseif new.percentage>=40 and new.percentage<60

-> then set new.grade='average';

-> else set new.grade='not promoted';

-> end if;

-> end$$

Query OK, 0 rows affected (0.12 sec)

MariaDB [triggers]> update stud\_marks set sub1=54,sub2=69,sub3=89,sub4=87,sub=59 where student\_id=1;

-> $$

ERROR 1054 (42S22): Unknown column 'sub' in 'field list'

MariaDB [triggers]> update stud\_marks set sub1=54,sub2=69,sub3=89,sub4=87,sub5=59 where student\_id=1;

-> $$

Query OK, 1 row affected (0.45 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [triggers]> select \* from stud\_marks;

-> $$

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

| STUDENT\_ID | NAME | SUB1 | SUB2 | SUB3 | SUB4 | SUB5 | TOTAL | PERCENTAGE | GRADE |

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

| 1 | ALEX | 54.00 | 69.00 | 89.00 | 87.00 | 59.00 | 358.00 | 71.60 | good |

| 2 | BOB | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 3 | CHARLEY | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 4 | DONNA | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

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

4 rows in set (0.00 sec)

MariaDB [triggers]> create or replace trigger `emp\_details\_adel`

-> after delete on emp\_details for each row

-> begin

-> insert into log\_emp\_details\_update values (user(), concat('delete employee record',old.first\_name, '-> deleted on'),now());

-> end$$

Query OK, 0 rows affected (0.10 sec)

MariaDB [triggers]> select \* from emp\_details;

-> $$

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT |

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

| 100 | STEVEN | KING | STEVEN.KING@GMAIL.COM | 2345678 | 1998-01-14 | AD\_PRES | 24000.00 | 0.10 |

| 101 | NEENA | KOCHHAR | NEENA.KOCHHAR@GMAIL.COM | 2345678 | 2002-10-10 | AD\_VP | 17000.00 | 0.50 |

| 102 | LEX | DE HANN | LEX.HANN@GMAIL.COM | 2345678 | 1995-10-20 | AD\_VP | 17000.00 | 0.50 |

| 103 | ALEXANDER | HUNOLD | ALEXANDER.HUNOLD@GMAIL.CO | 2345678 | 2002-11-23 | IT\_PROG | 9000.00 | 0.25 |

| 104 | BRUCE | ERNST | BRUCE.ERNST@GMAIL.COM | 2345678 | 2003-08-24 | IT\_PROG | 6000.00 | 0.25 |

| 105 | DAVID | AUSTIN | DAVID.AUSTIN@GMAIL.COM | 2345678 | 2005-04-10 | IT\_PROG | 4800.00 | 0.25 |

| 334 | ana | king | ana | 212.21.12.201 | 2013-02-05 | IT\_PROG | 17000.00 | 0.50 |

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

7 rows in set (0.00 sec)

MariaDB [triggers]> delete from emp\_details where employee\_id=100;

-> $$

Query OK, 1 row affected (0.09 sec)

MariaDB [triggers]> select \* from emp\_details;

-> $$

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT |

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

| 101 | NEENA | KOCHHAR | NEENA.KOCHHAR@GMAIL.COM | 2345678 | 2002-10-10 | AD\_VP | 17000.00 | 0.50 |

| 102 | LEX | DE HANN | LEX.HANN@GMAIL.COM | 2345678 | 1995-10-20 | AD\_VP | 17000.00 | 0.50 |

| 103 | ALEXANDER | HUNOLD | ALEXANDER.HUNOLD@GMAIL.CO | 2345678 | 2002-11-23 | IT\_PROG | 9000.00 | 0.25 |

| 104 | BRUCE | ERNST | BRUCE.ERNST@GMAIL.COM | 2345678 | 2003-08-24 | IT\_PROG | 6000.00 | 0.25 |

| 105 | DAVID | AUSTIN | DAVID.AUSTIN@GMAIL.COM | 2345678 | 2005-04-10 | IT\_PROG | 4800.00 | 0.25 |

| 334 | ana | king | ana | 212.21.12.201 | 2013-02-05 | IT\_PROG | 17000.00 | 0.50 |

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

6 rows in set (0.00 sec)

MariaDB [triggers]> select \* from log\_emp\_details\_update;

-> $$

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

| USER | DESCRIPTION | UDTTIME |

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

| root@localhost | delete employee recordSTEVEN-> deleted on | 2018-01-24 09:26:22 |

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

1 row in set (0.00 sec)

MariaDB [triggers]> desc products;

-> $$

ERROR 1146 (42S02): Table 'triggers.products' doesn't exist

MariaDB [triggers]> CREATE TABLE Products (

-> Code INTEGER(3) AUTO\_INCREMENT,

-> Name VARCHAR(255) NOT NULL ,

-> Price DECIMAL NOT NULL ,

-> Manufacturer INTEGER(3),

-> CONSTRAINT PK\_PRODUCTS PRIMARY KEY (Code),

-> CONSTRAINT FK\_PRODUCTS FOREIGN KEY (Manufacturer) REFERENCES manu(Code)

-> );

-> $$

ERROR 1005 (HY000): Can't create table `triggers`.`products` (errno: 150 "Foreign key constraint is incorrectly formed")MariaDB [triggers]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

-> $$

Query OK, 0 rows affected (0.28 sec)

MariaDB [triggers]> INSERT INTO manu(Name) VALUES('Sony');

-> INSERT INTO manu(Name) VALUES('Creative Labs');

-> INSERT INTO manu(Name) VALUES('Hewlett-Packard');

-> INSERT INTO manu(Name) VALUES('Iomega');

-> INSERT INTO manu(Name) VALUES('Fujitsu');

-> INSERT INTO manu(Name) VALUES('Winchester');

-> INSERT INTO manu(Name) VALUES('moxDroid Labs Inc');

-> INSERT INTO manu(Name) VALUES("Dell");

-> INSERT INTO manu(Name) VALUES("Bell Labs");

-> $4

-> $$

Query OK, 1 row affected (0.05 sec)

Query OK, 1 row affected (0.09 sec)

Query OK, 1 row affected (0.15 sec)

Query OK, 1 row affected (0.28 sec)

Query OK, 1 row affected (0.33 sec)

Query OK, 1 row affected (0.35 sec)

Query OK, 1 row affected (0.39 sec)

Query OK, 1 row affected (0.42 sec)

Query OK, 1 row affected (0.43 sec)

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '$4' at line 1

MariaDB [triggers]> CREATE TABLE Products (

-> Code INTEGER(3) AUTO\_INCREMENT,

-> Name VARCHAR(255) NOT NULL ,

-> Price DECIMAL NOT NULL ,

-> Manufacturer INTEGER(3),

-> CONSTRAINT PK\_PRODUCTS PRIMARY KEY (Code),

-> CONSTRAINT FK\_PRODUCTS FOREIGN KEY (Manufacturer) REFERENCES manu(Code)

-> );

-> $$

Query OK, 0 rows affected (0.57 sec)

MariaDB [triggers]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Hard drive',240,5);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Memory',120,6);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('ZIP drive',150,4);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Floppy disk',5,6);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Monitor',240,1);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD drive',180,2);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('CD drive',90,2);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',270,3);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',66,3);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',180,2);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',40.00,7);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',54.00,7);

-> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',78.00,7);

-> $$

Query OK, 1 row affected (0.07 sec)

Query OK, 1 row affected (0.10 sec)

Query OK, 1 row affected (0.25 sec)

Query OK, 1 row affected (0.27 sec)

Query OK, 1 row affected (0.32 sec)

Query OK, 1 row affected (0.34 sec)

Query OK, 1 row affected (0.39 sec)

Query OK, 1 row affected (0.42 sec)

Query OK, 1 row affected (0.44 sec)

Query OK, 1 row affected (0.47 sec)

Query OK, 1 row affected (0.50 sec)

Query OK, 1 row affected (0.54 sec)

Query OK, 1 row affected (0.56 sec)

MariaDB [triggers]> create or replace trigger before\_products\_update

-> before update on products for each row

-> begin

-> insert into price\_logs(product\_code,price) values (old.code,old.price);

-> end$$

Query OK, 0 rows affected (0.10 sec)

MariaDB [triggers]> update products set price=100 where code='1';

-> $$

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [triggers]> select \* from price\_logs;

-> $4

-> $$

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

| id | product\_code | price |

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

| 1 | 1 | 240 |

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

1 row in set (0.00 sec)

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '$4' at line 1

MariaDB [triggers]> create trigger before\_products\_update\_@

-> before update on products

-> for each row follows before\_products\_update

-> begin

-> insert into user\_change\_logs(product\_code,updated\_by)

-> values(old.productcode,user());

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '@

before update on products

for each row follows before\_products\_update

begin

in' at line 1

MariaDB [triggers]> create trigger before\_products\_update\_2

-> before update on products

-> for each row follows before\_products\_update

-> begin

-> insert into user\_change\_logs(product\_code,updated\_by)

-> values(old.productcode,user());

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'before\_products\_update

begin

insert into user\_change\_logs(product\_code,updated\_b' at line 3

MariaDB [triggers]> create table custom (

-> id int(3),

-> email varchar(50),

-> purchaseamount varchar(20

-> )

-> membershiptype(40));

-> $$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(40))' at line 6

MariaDB [triggers]> create table custom (

-> id int(3),

-> email varchar(50),

-> purchaseamount varchar(20),

-> membershiptype(40)

-> );

-> $$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(40)

)' at line 5

MariaDB [triggers]> create table custom (

-> id int(3),

-> email varchar(50),

-> purchaseamount varchar(20),

-> membershiptype varchar(40)

-> );

-> $$

Query OK, 0 rows affected (0.59 sec)

MariaDB [triggers]> insert into custom values(1,'navu','kaurnavneet682@gmail.com',23,'gold');

-> $$

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [triggers]> insert into custom values(1,'kaurnavneet682@gmail.com',23,'gold');

-> $$

Query OK, 1 row affected (0.06 sec)

MariaDB [triggers]> create or replace trigger `classtask`

-> before update on custom for each row

-> begin

-> if new.purchasement>1000000

-> then set new.membershiptype=`gold`;

-> elseif new.membershiptype>=500,000 and new.purchaseamount=1000000

-> then set new.membershiptype=`silver`;

-> else set new.membershiptype=`bronze`;

-> end if;

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '000 and new.purchaseamount=1000000

then set new.membershiptype=`silver`;

else se' at line 6

MariaDB [triggers]> create or replace trigger `classtask`

-> before update on custom for each row

-> begin

-> if new.purchasement>1000000

-> then set new.membershiptype=`gold`;

-> elseif new.membershiptype>=500000 and new.purchaseamount<1000000

-> then set new.membershiptype=`silver`;

-> else set new.membershiptype=`bronze`;

-> end if;

-> end$$

ERROR 1054 (42S22): Unknown column 'purchasement' in 'NEW'

MariaDB [triggers]> create or replace trigger `classtask`

-> before update on custom for each row

-> begin

-> if new.purchases>1000000

-> then set new.membershiptype=`gold`;

-> elseif new.membershiptype>=500000 and new.purchaseamount<1000000

-> then set new.membershiptype=`silver`;

-> else set new.membershiptype=`bronze`;

-> end if;

-> end$$

ERROR 1054 (42S22): Unknown column 'purchases' in 'NEW'

MariaDB [triggers]> create or replace trigger `classtask`

-> before update on custom for each row

-> begin

-> if new.purchaseamount>1000000

-> then set new.membershiptype=`gold`;

-> elseif new.membershiptype>=500000 and new.purchaseamount<1000000

-> then set new.membershiptype=`silver`;

-> else set new.membershiptype=`bronze`;

-> end if;

-> end$$

Query OK, 0 rows affected (0.11 sec)

MariaDB [triggers]> select \* from custom;$$

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

| id | email | purchaseamount | membershiptype |

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

| 1 | kaurnavneet682@gmail.com | 23 | gold |

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

1 row in set (0.00 sec)

MariaDB [triggers]> update custom set purchaseamount=100 where id='1';

-> $$

ERROR 1054 (42S22): Unknown column 'bronze' in 'field list'

MariaDB [triggers]> update custom set purchaseamount=7500000 where id='1';

-> $$

ERROR 1054 (42S22): Unknown column 'gold' in 'field list'

MariaDB [triggers]> insert into custom values(2,'jass@gmail.com',34567901,'silver');

-> $$

Query OK, 1 row affected (0.08 sec)

MariaDB [triggers]> update custom set purchaseamount=7500000 where id='1';

-> $$

ERROR 1054 (42S22): Unknown column 'gold' in 'field list'

MariaDB [triggers]> update custom set purchaseamount=7500000 where id='2';

-> $$

ERROR 1054 (42S22): Unknown column 'gold' in 'field list'

MariaDB [triggers]> select \* from custom;

-> $$

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

| id | email | purchaseamount | membershiptype |

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

| 1 | kaurnavneet682@gmail.com | 23 | gold |

| 2 | jass@gmail.com | 34567901 | silver |

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

2 rows in set (0.00 sec)

MariaDB [triggers]> create or replace trigger `classtask1`

-> before update on custom for each row

-> begin

-> if new.purchaseamount>1000000

-> then set new.membershiptype='gold';

-> elseif new.membershiptype>=500000 and new.purchaseamount<1000000

-> then set new.membershiptype='silver';

-> else set new.membershiptype='bronze';

-> end if;

-> end$$

ERROR 1235 (42000): This version of MariaDB doesn't yet support 'multiple triggers with the same action time and event for one table'

MariaDB [triggers]> create or replace trigger `classtask`

-> before update on custom for each row

-> begin

-> if new.purchaseamount>1000000

-> then set new.membershiptype='gold';

-> elseif new.membershiptype>=500000 and new.purchaseamount<1000000

-> then set new.membershiptype='silver';

-> else set new.membershiptype='bronze';

-> end if;

-> end$$

Query OK, 0 rows affected (0.19 sec)

MariaDB [triggers]> update custom set purchaseamount=7500000 where id='2';

-> $4

-> $$

Query OK, 1 row affected (0.09 sec)

Rows matched: 1 Changed: 1 Warnings: 0

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '$4' at line 1

MariaDB [triggers]> update custom set purchaseamount=7500000 where id='2';

-> $$

Query OK, 0 rows affected (0.00 sec)

Rows matched: 1 Changed: 0 Warnings: 0

MariaDB [triggers]> select \* from custom;

-> $$

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

| id | email | purchaseamount | membershiptype |

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

| 1 | kaurnavneet682@gmail.com | 23 | gold |

| 2 | jass@gmail.com | 7500000 | gold |

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

2 rows in set (0.00 sec)

MariaDB [triggers]>