Setting environment for using XAMPP for Windows.

Harinder @LAPTOP-3HSN355D 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: 10.1.30-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> show databases;

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

| Database |

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

| csd |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| term\_project |

| test |

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

7 rows in set (0.00 sec)

MariaDB [(none)]> use csd;

Database changed

MariaDB [csd]> 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 (0.20 sec)

MariaDB [csd]>

MariaDB [csd]>

MariaDB [csd]> 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 (0.03 sec)

MariaDB [csd]> 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 (0.03 sec)

MariaDB [csd]> 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 (0.05 sec)

MariaDB [csd]> 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 (0.10 sec)

MariaDB [csd]> 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 (0.06 sec)

MariaDB [csd]> 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 (0.03 sec)

MariaDB [csd]>

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

-> EMPLOYEE\_ID INTEGER(6),

-> SALARY DOUBLE(8,2),

-> EDTTIME DATETIME);

Query OK, 0 rows affected (0.20 sec)

MariaDB [csd]>

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

-> USER VARCHAR(50),

-> DESCRIPTION VARCHAR(100),

-> UDTTIME DATETIME);

Query OK, 0 rows affected (0.17 sec)

MariaDB [csd]>

MariaDB [csd]> 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 (0.16 sec)

MariaDB [csd]>

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

Query OK, 1 row affected (0.04 sec)

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

Query OK, 1 row affected (0.03 sec)

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

Query OK, 1 row affected (0.03 sec)

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

Query OK, 1 row affected (0.03 sec)

MariaDB [csd]>

MariaDB [csd]>

MariaDB [csd]>

MariaDB [csd]> 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 (0.22 sec)

MariaDB [csd]>

MariaDB [csd]> 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 (0.22 sec)

MariaDB [csd]> show tables;

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

| Tables\_in\_csd |

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

| animals |

| countries |

| departments |

| emp\_details |

| employees |

| job\_history |

| jobs |

| locations |

| log\_emp\_details |

| log\_emp\_details\_update |

| manu |

| p |

| pet |

| price\_logs |

| prim |

| products |

| regions |

| stud\_marks |

| user\_change\_logs |

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

19 rows in set (0.00 sec)

MariaDB [csd]> create table number ( n1 float (5,2));

Query OK, 0 rows affected (0.22 sec)

MariaDB [csd]> create or replace trigger ins\_sum

-> before insert on number

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

Query OK, 0 rows affected (0.15 sec)

MariaDB [csd]> insert into number values('25');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd]> select \* from number;

+-------+

| n1 |

+-------+

| 25.00 |

+-------+

1 row in set (0.00 sec)

MariaDB [csd]> select @sum;

+------+

| @sum |

+------+

| 25 |

+------+

1 row in set (0.00 sec)

MariaDB [csd]> desc number;

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

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

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

| n1 | float(5,2) | YES | | NULL | |

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

1 row in set (0.01 sec)

MariaDB [csd]> delimiter $$

MariaDB [csd]> 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 [csd]> CREATE

-> trigger `csd`.`emp\_details\_ains`

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

-> for each row

-> begin

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

-> end $$

Query OK, 0 rows affected (0.10 sec)

MariaDB [csd]> INSERT INTO emp\_details VALUES(236, 'RABI', 'CHANDRA', 'RABI','123.34.45700', '2013-01-12', 'AD\_VP', 15000, 0.5);

-> $$

Query OK, 1 row affected (0.07 sec)

MariaDB [csd]> SELECT \* FROM log\_emp\_details;$$

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

| EMPLOYEE\_ID | SALARY | EDTTIME |

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

| 236 | 15000.00 | 2018-01-24 08:41:57 |

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

1 row in set (0.00 sec)

MariaDB [csd]> CREATEorREPLACETRIGGER`emp\_details\_BINS` BEFOREINSERT ONemp\_details FOREACHROW BEGIN SETNEW.FIRST\_NAME=TRIM(NEW.FIRST\_NAME); SETNEW.LAST\_NAME=TRIM(NEW.LAST\_NAME); SETNEW.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 'CREATEorREPLACETRIGGER`emp\_details\_BINS` BEFOREINSERT ONemp\_details FOREACHROW B' at line 1

MariaDB [csd]> 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 (0.10 sec)

MariaDB [csd]> INSERT INTO emp\_details VALUES (334, ' Ana ', ' King', 'ANA', ’212.212.21201', '2013-02-05', 'it\_prog', 17000, .50);

-> $$

Query OK, 1 row affected (0.07 sec)

MariaDB [csd]> 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 |

| 236 | RABI | CHANDRA | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 15000.00 | 0.50 |

| 334 | Ana | King | ANA | 212.212.21201 | 2013-02-05 | IT\_PROG | 17000.00 | 0.50 |

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

8 rows in set (0.00 sec)

MariaDB [csd]> CREATEorREPLACETRIGGER`emp\_details\_AUPD` AFTERUPDATEONemp\_detailsFOREACHROW 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 'CREATEorREPLACETRIGGER`emp\_details\_AUPD` AFTERUPDATEONemp\_detailsFOREACHROW BEGI' at line 1

MariaDB [csd]> CREATEorREPLACETRIGGER`emp\_details\_AUPD`

-> AFTERUPDATEONemp\_detailsFOREACHROW

-> 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 'CREATEorREPLACETRIGGER`emp\_details\_AUPD`

AFTERUPDATEONemp\_detailsFOREACHROW

begi' at line 1

MariaDB [csd]> CREATEorREPLACETRIGGER`emp\_details\_AUPD`

-> AFTERUPDATEONemp\_detailsFOREACHROW

-> 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 'CREATEorREPLACETRIGGER`emp\_details\_AUPD`

AFTERUPDATEONemp\_detailsFOREACHROW

begi' at line 1

MariaDB [csd]> 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 $$

Query OK, 0 rows affected (0.07 sec)

MariaDB [csd]> UPDATE EMP\_DETAILS SETSALARY = SALARY + 1000;

-> $$

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 + 1000' at line 1

MariaDB [csd]> UPDATE EMP\_DETAILS SET SALARY = SALARY + 1000;

-> $$

Query OK, 8 rows affected (0.37 sec)

Rows matched: 8 Changed: 8 Warnings: 0

MariaDB [csd]> 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 | 25000.00 | 0.10 |

| 101 | NEENA | KOCHHAR | NEENA.KOCHHAR@GMAIL.COM | 2345678 | 2002-10-10 | AD\_VP | 18000.00 | 0.50 |

| 102 | LEX | DE HANN | LEX.HANN@GMAIL.COM | 2345678 | 1995-10-20 | AD\_VP | 18000.00 | 0.50 |

| 103 | ALEXANDER | HUNOLD | ALEXANDER.HUNOLD@GMAIL.CO | 2345678 | 2002-11-23 | IT\_PROG | 10000.00 | 0.25 |

| 104 | BRUCE | ERNST | BRUCE.ERNST@GMAIL.COM | 2345678 | 2003-08-24 | IT\_PROG | 7000.00 | 0.25 |

| 105 | DAVID | AUSTIN | DAVID.AUSTIN@GMAIL.COM | 2345678 | 2005-04-10 | IT\_PROG | 5800.00 | 0.25 |

| 236 | RABI | CHANDRA | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 16000.00 | 0.50 |

| 334 | Ana | King | ANA | 212.212.21201 | 2013-02-05 | IT\_PROG | 18000.00 | 0.50 |

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

8 rows in set (0.00 sec)

MariaDB [csd]> SELECT \* FROM log\_EMP\_DETAILS\_update;

-> $$

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

| USER | DESCRIPTION | UDTTIME |

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

| root@localhost | Update employee Record STEVEN Old Salary :24000.00 New Salary : 25000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record RABI Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record Ana Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:09:30 |

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

8 rows in set (0.00 sec)

MariaDB [csd]> show tables;

-> $$

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

| Tables\_in\_csd |

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

| animals |

| countries |

| departments |

| emp\_details |

| employees |

| job\_history |

| jobs |

| locations |

| log\_emp\_details |

| log\_emp\_details\_update |

| manu |

| number |

| p |

| pet |

| price\_logs |

| prim |

| products |

| regions |

| stud\_marks |

| user\_change\_logs |

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

20 rows in set (0.00 sec)

MariaDB [csd]> 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 (0.09 sec)

MariaDB [csd]> UPDATE STUD\_MARKS SET SUB1 = 54, SUB2 = 69, SUB3 = 89, SUB4 =

-> 87, SUB5 = 59 WHERE STUDENT\_ID = 1;

-> $$

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd]> 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 [csd]> UPDATE STUD\_MARKS SET SUB1 = 54, SUB2 = 69, SUB3 = 89, SUB4 =

-> 87, SUB5 = 40 WHERE STUDENT\_ID = 2;$$

Query OK, 1 row affected (0.07 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd]> 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 | 54.00 | 69.00 | 89.00 | 87.00 | 40.00 | 339.00 | 67.80 | GOOD |

| 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 [csd]> UPDATE STUD\_MARKS SET SUB1 = 54, SUB2 = 69, SUB3 = 50, SUB4 =

-> 87, SUB5 = 10 WHERE STUDENT\_ID = 3;$$

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd]> 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 | 54.00 | 69.00 | 89.00 | 87.00 | 40.00 | 339.00 | 67.80 | GOOD |

| 3 | CHARLEY | 54.00 | 69.00 | 50.00 | 87.00 | 10.00 | 270.00 | 54.00 | AVERAGE |

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

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

4 rows in set (0.00 sec)

MariaDB [csd]> UPDATE STUD\_MARKS SET SUB1 = 54, SUB2 = 69, SUB3 = 89, SUB4 =

-> 100, SUB5 = 100 WHERE STUDENT\_ID = 4;$$

Query OK, 1 row affected, 2 warnings (0.03 sec)

Rows matched: 1 Changed: 1 Warnings: 2

MariaDB [csd]> 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 | 54.00 | 69.00 | 89.00 | 87.00 | 40.00 | 339.00 | 67.80 | GOOD |

| 3 | CHARLEY | 54.00 | 69.00 | 50.00 | 87.00 | 10.00 | 270.00 | 54.00 | AVERAGE |

| 4 | DONNA | 54.00 | 69.00 | 89.00 | 99.99 | 99.99 | 411.98 | 82.40 | VERY GOOD |

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

4 rows in set (0.00 sec)

MariaDB [csd]> 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 (0.20 sec)

MariaDB [csd]> 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 | 25000.00 | 0.10 |

| 101 | NEENA | KOCHHAR | NEENA.KOCHHAR@GMAIL.COM | 2345678 | 2002-10-10 | AD\_VP | 18000.00 | 0.50 |

| 102 | LEX | DE HANN | LEX.HANN@GMAIL.COM | 2345678 | 1995-10-20 | AD\_VP | 18000.00 | 0.50 |

| 103 | ALEXANDER | HUNOLD | ALEXANDER.HUNOLD@GMAIL.CO | 2345678 | 2002-11-23 | IT\_PROG | 10000.00 | 0.25 |

| 104 | BRUCE | ERNST | BRUCE.ERNST@GMAIL.COM | 2345678 | 2003-08-24 | IT\_PROG | 7000.00 | 0.25 |

| 105 | DAVID | AUSTIN | DAVID.AUSTIN@GMAIL.COM | 2345678 | 2005-04-10 | IT\_PROG | 5800.00 | 0.25 |

| 236 | RABI | CHANDRA | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 16000.00 | 0.50 |

| 334 | Ana | King | ANA | 212.212.21201 | 2013-02-05 | IT\_PROG | 18000.00 | 0.50 |

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

8 rows in set (0.00 sec)

MariaDB [csd]> DELETE FROM EMP\_DETAILS WHERE EMPLOYEE\_ID = 100;$$

Query OK, 1 row affected (0.06 sec)

MariaDB [csd]> 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 | 18000.00 | 0.50 |

| 102 | LEX | DE HANN | LEX.HANN@GMAIL.COM | 2345678 | 1995-10-20 | AD\_VP | 18000.00 | 0.50 |

| 103 | ALEXANDER | HUNOLD | ALEXANDER.HUNOLD@GMAIL.CO | 2345678 | 2002-11-23 | IT\_PROG | 10000.00 | 0.25 |

| 104 | BRUCE | ERNST | BRUCE.ERNST@GMAIL.COM | 2345678 | 2003-08-24 | IT\_PROG | 7000.00 | 0.25 |

| 105 | DAVID | AUSTIN | DAVID.AUSTIN@GMAIL.COM | 2345678 | 2005-04-10 | IT\_PROG | 5800.00 | 0.25 |

| 236 | RABI | CHANDRA | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 16000.00 | 0.50 |

| 334 | Ana | King | ANA | 212.212.21201 | 2013-02-05 | IT\_PROG | 18000.00 | 0.50 |

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

7 rows in set (0.00 sec)

MariaDB [csd]> SELECT \* FROM LOG\_EMP\_DETAILS\_UPDATE;$$

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

| USER | DESCRIPTION | UDTTIME |

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

| root@localhost | Update employee Record STEVEN Old Salary :24000.00 New Salary : 25000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record RABI Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:09:30 |

| root@localhost | Update employee Record Ana Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:09:30 |

| root@localhost | Delete Employee RecordSTEVEN->

Deleted on | 2018-01-24 09:23:51 |

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

9 rows in set (0.00 sec)

MariaDB [csd]>

MariaDB [csd]> create procedure primes(IN value int(5))

-> begin

->

-> DECLARE m int default 1;

-> DECLARE n int default 1;

-> DECLARE count int default 0;

->

-> Truncate table number;

->

-> while(n<=value) do

-> while(m<=n) do

-> if(n%m=0) then

-> set count = count + 1;

-> end if;

-> set m=m+1;

-> end while;

-> if(count = 2) then

-> INSERT into number VALUES (n);

-> end if;

->

-> set m = 1;

-> set n = n + 1;

-> set count = 0;

->

-> end while;

-> end$$

ERROR 1304 (42000): PROCEDURE primes already exists

MariaDB [csd]> create table number (number int(10))$$

ERROR 1050 (42S01): Table 'number' already exists

MariaDB [csd]>

MariaDB [csd]> create procedure prime\_num(IN value int(5))

-> begin

->

-> DECLARE m int default 1;

-> DECLARE n int default 1;

-> DECLARE count int default 0;

->

-> Truncate table number;

->

-> while(n<=value) do

-> while(m<=n) do

-> if(n%m=0) then

-> set count = count + 1;

-> end if;

-> set m=m+1;

-> end while;

-> if(count = 2) then

-> INSERT into number VALUES (n);

-> end if;

->

-> set m = 1;

-> set n = n + 1;

-> set count = 0;

->

-> end while;

-> end$$

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd]> call primes(100)$$