Setting environment for using XAMPP for Windows.

prabh@DESKTOP-5UPSKC7 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: 10.1.13-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)]> use csd2204w18

Database changed

MariaDB [csd2204w18]> 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 (0.69 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> 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 (0.12 sec)

MariaDB [csd2204w18]> 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 (0.06 sec)

MariaDB [csd2204w18]> 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 (0.09 sec)

MariaDB [csd2204w18]> 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 (0.04 sec)

MariaDB [csd2204w18]> 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 [csd2204w18]> 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 (0.07 sec)

MariaDB [csd2204w18]> CREATE OR REPLACE TABLE LOG\_EMP\_DETAILS(

-> EMPLOYEE\_ID INTEGER(6),

-> SALARY DOUBLE(8,2),

-> EDTTIME DATETIME);

Query OK, 0 rows affected (0.09 sec)

MariaDB [csd2204w18]> CREATE OR REPLACE TABLE LOG\_EMP\_DETAILS\_UPDATE(

-> USER VARCHAR(50),

-> DESCRIPTION VARCHAR(100),

-> UDTTIME DATETIME);

Query OK, 0 rows affected (0.13 sec)

MariaDB [csd2204w18]> 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 (0.11 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(1,'ALEX');

Query OK, 1 row affected (0.04 sec)

MariaDB [csd2204w18]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(2,'BOB');

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(3,'CHARLEY');

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(4,'DONNA');

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> 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 (0.17 sec)

MariaDB [csd2204w18]> 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 [csd2204w18]> SHOW TRIGGERS FROM CSD2204W18;

Empty set (0.01 sec)

MariaDB [csd2204w18]> desc number;

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

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

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

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

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

1 row in set (0.01 sec)

MariaDB [csd2204w18]> CREATE TRIGGER ins\_sum

-> BEFORE INSERT ON account

-> FOR EACH ROW SET @sum = @sum + NEW.n1;

ERROR 1146 (42S02): Table 'csd2204w18.account' doesn't exist

MariaDB [csd2204w18]> CREATE TRIGGER ins\_sum

-> BEFORE INSERT ON number

-> FOR EACH ROW SET @sum = @sum + NEW.n1;

Query OK, 0 rows affected (0.01 sec)

MariaDB [csd2204w18]> SHOW TRIGGERS FROM CSD2204W18;

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

| 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 (0.01 sec)

MariaDB [csd2204w18]> insert into number values(10.5);

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into number values(2.5);

Query OK, 1 row affected (0.00 sec)

MariaDB [csd2204w18]> CREATE or replace TRIGGER ins\_sum

-> BEFORE INSERT ON number

-> FOR EACH ROW SET @sum = NEW.n1;

Query OK, 0 rows affected (0.02 sec)

MariaDB [csd2204w18]> SHOW TRIGGERS FROM CSD2204W18;

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

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

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

| ins\_sum | INSERT | number | SET @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 (0.01 sec)

MariaDB [csd2204w18]> select \* from number;

+-------+

| n1 |

+-------+

| 0.93 |

| 0.72 |

| 0.83 |

| 10.50 |

| 2.50 |

+-------+

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> insert into number values(3.5);

Query OK, 1 row affected (0.00 sec)

MariaDB [csd2204w18]> select @sum;

+------+

| @sum |

+------+

| 3.5 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> 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());

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 7

MariaDB [csd2204w18]> 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());

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 7

MariaDB [csd2204w18]> delimiter $$

MariaDB [csd2204w18]> show tables;

-> $$

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

| Tables\_in\_csd2204w18 |

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

| animals |

| c |

| c1 |

| citymaster |

| citypoint |

| client |

| countries |

| d10\_v1 |

| d10\_v8 |

| departments |

| emp\_details |

| employee |

| employees |

| has\_clearance |

| job\_history |

| jobs |

| locations |

| log\_emp\_details |

| log\_emp\_details\_update |

| manu |

| movies |

| noname |

| number |

| p |

| package |

| person |

| pet |

| planet |

| prabh |

| price\_logs |

| products |

| regions |

| shipment |

| stud\_marks |

| user |

| user\_change\_logs |

| v1 |

| v4 |

| v5 |

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

39 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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$$

Query OK, 0 rows affected (0.01 sec)

MariaDB [csd2204w18]> select \* from loh\_emp\_details$$

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

MariaDB [csd2204w18]> select \* from log\_emp\_details$$

Empty set (0.00 sec)

MariaDB [csd2204w18]> 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 |

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

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO emp\_details VALUES(236, 'RABI', 'CHANDRA',

-> $$

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 1

MariaDB [csd2204w18]> INSERT INTO emp\_details VALUES(555, 'prabh', 'Chahal',

-> 'RABI','123.34.45700', '2013-01-12', 'AD\_VP', 15000, 0.5);

-> $$

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> 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 |

| 555 | prabh | Chahal | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 15000.00 | 0.50 |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO log\_emp\_details VALUES(236, 'RABI', 'CHANDRA','RABI','123.34.45700', '2013-01-12', 'AD\_VP', 15000, 0.5);

-> $$

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

MariaDB [csd2204w18]> INSERT INTO log\_emp\_details VALUES(236, 'RABI', 'CHANDRA','RABI','123.34.45700', '2013-01-12', 'AD\_VP', 15000, 0.5);$$

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

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

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

-> for each row

-> begin

-> $$

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 4

MariaDB [csd2204w18]> 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 (0.01 sec)

MariaDB [csd2204w18]> NSERT INTO emp\_details VALUES (334, ' Ana ', ' King', 'ANA',

-> ’212.212.21201', '2013-02-05', 'it\_prog', 17000, .50);$$

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 'NSERT INTO emp\_details VALUES (334, ' Ana ', ' King', 'ANA',

'212.212.21201', '2' at line 1

MariaDB [csd2204w18]> INSERT INTO emp\_details VALUES (334, ' Ana ', ' King', 'ANA',

-> ’212.212.21201', '2013-02-05', 'it\_prog', 17000, .50);$$

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> 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 | 212.212.21201 | 2013-02-05 | IT\_PROG | 17000.00 | 0.50 |

| 555 | prabh | Chahal | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 15000.00 | 0.50 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from log\_emp\_details;

-> $$

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

| EMPLOYEE\_ID | SALARY | EDTTIME |

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

| 555 | 15000.00 | 2018-01-24 08:44:45 |

| 334 | 17000.00 | 2018-01-24 08:54:44 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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 (0.02 sec)

MariaDB [csd2204w18]> UPDATE EMP\_DETAILS SET SALARY = SALARY + 1000;

-> $$

Query OK, 8 rows affected (0.02 sec)

Rows matched: 8 Changed: 8 Warnings: 0

MariaDB [csd2204w18]> 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 |

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

| 555 | prabh | Chahal | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 16000.00 | 0.50 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from log\_emp\_details;

-> $$

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

| EMPLOYEE\_ID | SALARY | EDTTIME |

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

| 555 | 15000.00 | 2018-01-24 08:44:45 |

| 334 | 17000.00 | 2018-01-24 08:54:44 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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 09:05:30 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:05:30 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:05:30 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:05:30 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:05:30 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:05:30 |

| root@localhost | Update employee Record Ana Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:05:30 |

| root@localhost | Update employee Record prabh Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:05:30 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> show tables;

-> $$

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

| Tables\_in\_csd2204w18 |

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

| animals |

| c |

| c1 |

| citymaster |

| citypoint |

| client |

| countries |

| d10\_v1 |

| d10\_v8 |

| departments |

| emp\_details |

| employee |

| employees |

| has\_clearance |

| job\_history |

| jobs |

| locations |

| log\_emp\_details |

| log\_emp\_details\_update |

| manu |

| movies |

| noname |

| number |

| p |

| package |

| person |

| pet |

| planet |

| prabh |

| price\_logs |

| products |

| regions |

| shipment |

| stud\_marks |

| user |

| user\_change\_logs |

| v1 |

| v4 |

| v5 |

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

39 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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 (0.01 sec)

MariaDB [csd2204w18]> UPDATE STUD\_MARKS SET SUB1 = 54, SUB2 = 69, SUB3 = 89, SUB4 =

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

-> $$

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> 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 [csd2204w18]> UPDATE STUD\_MARKS SET SUB1 = 34, SUB2 = 54, SUB3 = 56, SUB4 =

-> 99, SUB5 = 55 WHERE STUDENT\_ID = 2;

-> $$

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> 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 | 34.00 | 54.00 | 56.00 | 99.00 | 55.00 | 298.00 | 59.60 | AVERAGE |

| 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 [csd2204w18]> 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 (0.01 sec)

MariaDB [csd2204w18]> 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 |

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

| 555 | prabh | Chahal | RABI | 123.34.45700 | 2013-01-12 | AD\_VP | 16000.00 | 0.50 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE or REPLACE TRIGGER before\_products\_update

-> BEFORE UPDATE on Products FOR EACH ROW

-> BEGIN

-> INSERT INTO price\_logs (product\_code,price) VALUES(old.c

-> ode,old.price);

-> 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 'ode,old.price);

END' at line 5

MariaDB [csd2204w18]> CREATE or REPLACE TRIGGER before\_products\_update

-> BEFORE UPDATE on Products FOR EACH ROW

-> BEGIN

-> INSERT INTO price\_logs (product\_code,price) VALUES(old.c

-> ode,old.price);

-> 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 'ode,old.price);

END' at line 5

MariaDB [csd2204w18]> 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 (0.03 sec)

MariaDB [csd2204w18]> select \* from before\_products\_update;

-> $$

ERROR 1146 (42S02): Table 'csd2204w18.before\_products\_update' doesn't exist

MariaDB [csd2204w18]> UPDATE products SET price = 100 WHERE Code = ’1';

-> $$

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> SELECT \* FROM price\_logs;

-> $$

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

| id | product\_code | price |

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

| 1 | 1 | 240 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> create table custom (

-> id int(3),

-> name varchar(20),

-> email varchar(30),

-> purchase\_amount float(10,2),

-> membership\_type varchar(20)

-> );

-> $$

Query OK, 0 rows affected (0.05 sec)

MariaDB [csd2204w18]> insert into custom values (1,'prabh','prabhc10@gmail.com',10000000,'gold');

-> $$

Query OK, 1 row affected (0.00 sec)

MariaDB [csd2204w18]> insert into custom values (2,'guri','guri@gmail.com',10000500,'silver');

-> $$

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into custom values (3,'sarb','sarb@gmail.com',11100500,'bronze');

-> $$

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> insert into custom values (4,'love','love@gmail.com',45100500,'gold');

-> $$

Query OK, 1 row affected (0.00 sec)

MariaDB [csd2204w18]> select \* from custom;

-> $$

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

| id | name | email | purchase\_amount | membership\_type |

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

| 1 | prabh | prabhc10@gmail.com | 10000000.00 | gold |

| 2 | guri | guri@gmail.com | 10000500.00 | silver |

| 3 | sarb | sarb@gmail.com | 11100500.00 | bronze |

| 4 | love | love@gmail.com | 45100500.00 | gold |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> create trigger 'update\_membership' before update on custom on each row

-> begin

-> if new.purchase\_amount>1000000

-> then set membershiptype='gold';

-> elseif new.purchaseamount>=5000000 and new.purchase\_amount<1000000

-> then set new.purchase\_amount='silver';

->

-> else set.purchase\_amount='bronze';

-> 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 ''update\_membership' before update on custom on each row

begin

if new.purchase\_a' at line 1

MariaDB [csd2204w18]> create trigger 'update\_membership' before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000

-> then set membershiptype='gold';

-> elseif new.purchaseamount>=5000000 and new.purchase\_amount<1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> 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 ''update\_membership' before update on custom for each row

begin

if new.purchase\_' at line 1

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000

-> then set membershiptype='gold';

-> elseif new.purchaseamount>=5000000 and new.purchase\_amount<1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> end$$

ERROR 1193 (HY000): Unknown system variable 'membershiptype'

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000

-> then set membership\_type='gold';

-> elseif new.purchaseamount>=5000000 and new.purchase\_amount<1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> end$$

ERROR 1193 (HY000): Unknown system variable 'membership\_type'

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> set new.purchase\_amount='silver';

-> if

-> new.purchase\_amount>1000000

-> then set membership\_type='gold';

-> elseif new.purchaseamount>=5000000 and new.purchase\_amount<1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> end$$

ERROR 1193 (HY000): Unknown system variable 'membership\_type'

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000

-> then set membership\_type = 'gold';

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount < 1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> end$$

ERROR 1193 (HY000): Unknown system variable 'membership\_type'

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> set new.purchase\_amount='silver';

-> if new.purchase\_amount>1000000

-> then set new.membership\_type='gold';

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount < 1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> 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 '.purchase\_amount='bronze';

end' at line 8

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> set new.membershiptype='gold';

-> if new.purchase\_amount>1000000

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount<1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> 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 'elseif new.purchase\_amount>=5000000 and new.purchase\_amount<1000000

then set new' at line 5

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> set new.membershiptype= gold;

-> if new.purchase\_amount>1000000

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount>1000000

-> then set new.purchase\_amount='silver';

-> else set.purchase\_amount='bronze';

-> 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 'elseif new.purchase\_amount>=5000000 and new.purchase\_amount>1000000

then set new' at line 5

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000 then set new.membershiptype= 'gold';

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount>1000000

-> then set new.membership\_type='silver';

-> else set.membership\_type='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 '.membership\_type='bronze';

end if;

end' at line 6

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000 then set new.membershiptype= 'gold';

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount<1000000

-> then set new.membership\_type='silver';

-> else set.membership\_type='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 '.membership\_type='bronze';

end if;

end' at line 6

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000 then set new.membershiptype= 'gold';

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount<1000000

-> then set new.membership\_type='silver';

-> else set new.membership\_type='bronze';

-> end if;

-> end$$

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

MariaDB [csd2204w18]> create trigger `update\_membership` before update on custom for each row

-> begin

-> if new.purchase\_amount>1000000 then set new.membership\_type= 'gold';

-> elseif new.purchase\_amount>=5000000 and new.purchase\_amount<1000000

-> then set new.membership\_type='silver';

-> else set new.membership\_type='bronze';

-> end if;

-> end$$

Query OK, 0 rows affected (0.01 sec)

MariaDB [csd2204w18]> select \* from custom;

-> $$

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

| id | name | email | purchase\_amount | membership\_type |

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

| 1 | prabh | prabhc10@gmail.com | 10000000.00 | gold |

| 2 | guri | guri@gmail.com | 10000500.00 | silver |

| 3 | sarb | sarb@gmail.com | 11100500.00 | bronze |

| 4 | love | love@gmail.com | 45100500.00 | gold |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> update custom set purchase\_amount=10000000 where id='4';

-> $$

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> select \* from custom;

-> $$

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

| id | name | email | purchase\_amount | membership\_type |

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

| 1 | prabh | prabhc10@gmail.com | 10000000.00 | gold |

| 2 | guri | guri@gmail.com | 10000500.00 | silver |

| 3 | sarb | sarb@gmail.com | 11100500.00 | bronze |

| 4 | love | love@gmail.com | 10000000.00 | gold |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> update custom set purchase\_amount=10000000 where id='3';

-> $$

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> select \* from custom;

-> $$

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

| id | name | email | purchase\_amount | membership\_type |

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

| 1 | prabh | prabhc10@gmail.com | 10000000.00 | gold |

| 2 | guri | guri@gmail.com | 10000500.00 | silver |

| 3 | sarb | sarb@gmail.com | 10000000.00 | gold |

| 4 | love | love@gmail.com | 10000000.00 | gold |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]>