Setting environment for using XAMPP for Windows.

730056@128-IMAC17 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 14

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)]>

MariaDB [(none)]> tee c:\xampp day13log.txt

mysql: Can't create/write to file 'c:\xampp day13log.txt' (Errcode: 13 "Permission denied")

Error logging to file 'c:\xampp day13log.txt'

MariaDB [(none)]> tee c:\xampp\day13log.txt

Logging to file 'c:\xampp\day13log.txt'

MariaDB [(none)]> use triggers;

Database changed

MariaDB [triggers]> show tables;

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

| Tables\_in\_triggers |

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

| emp\_details |

| log\_emp\_details |

| log\_emp\_details\_update |

| price\_logs |

| stud\_marks |

| user\_change\_logs |

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

6 rows in set (0.00 sec)

MariaDB [triggers]> show triggers from triggers;

Empty set (0.00 sec)

MariaDB [triggers]> CREATE TRIGGER 'csd2204w18'.;emp\_details\_AINS'

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 ''csd2204w18'.' at line 1

'> '

-> ;

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\_AINS'

'' at line 1

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());

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'

AFTER INSERT ON 'triggers'.'emp\_details'

FOR EACH ' 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);

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]> SET NEW.LAST\_NAME = TRIM(NEW.LAST\_NAME);

ERROR 1193 (HY000): Unknown system variable 'LAST\_NAME'

MariaDB [triggers]> SET NEW.JOB\_ID = UPPER(NEW.JOB\_ID);

ERROR 1193 (HY000): Unknown system variable 'JOB\_ID'

MariaDB [triggers]> 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 1

MariaDB [triggers]> exit;

Bye

730056@128-IMAC17 c:\xampp

# mysql -u root -p;

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

730056@128-IMAC17 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 58

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)]> use csd2204w18;

Database changed

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]> DILLIMITER $$

-> ;

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 'DILLIMITER $$' at line 1

MariaDB [csd2204w18]> DILIMITER $$

-> ;

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 'DILIMITER $$' at line 1

MariaDB [csd2204w18]> DILIMITER ; $$

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 'DILIMITER' at line 1

-> ;

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]> DELIMITER $$

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 '-> TRIGGER `csd2204w18`.`emp\_details\_AINS`

-> AFTER INSERT ON `csd2204w18`.`' at line 2

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$$

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

MariaDB [csd2204w18]> exit

Bye

730056@128-IMAC17 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 59

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)]> use triggers;

Database changed

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());

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 [triggers]> CREATE

-> TRIGGER `triggers`.`emp\_details\_AINS`

-> AFTER INSERT ON `csd2204w18`.`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 '' at line 3

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());

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 [triggers]> DELIMITER $$

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 (0.97 sec)

MariaDB [triggers]> show triggers;

-> $$

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

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

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

| emp\_details\_AINS | INSERT | emp\_details | BEGIN

INSERT INTO log\_emp\_details VALUES(NEW.employee\_id,

NEW.salary, NOW());

END | AFTER | NULL | NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | latin1\_swedish\_ci |

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

1 row in set (0.03 sec)

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

Empty set (0.08 sec)

MariaDB [triggers]> ◦ 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 'RABI', 'CHANDRA','' at line 1

MariaDB [triggers]> 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 (0.59 sec)

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

-> $$

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

| EMPLOYEE\_ID | SALARY | EDTTIME |

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

| 236 | 15000.00 | 2018-01-24 08:41:58 |

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

1 row in set (0.00 sec)

MariaDB [triggers]> CREATE

-> TRIGGER `triggers`.emp\_details\_AINS`

`> AFTER INSERT ON `triggers`.`emp\_details`

`> FOR EACH ROW

`> $$

`> '

`> '

`> `

-> ;

-> $$

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 '`

AFTER INSERT ON `triggers`.`emp\_details`

FOR EACH ROW

$$

'

'

`' 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 1359 (HY000): Trigger already exists

MariaDB [triggers]> CREATE

-> TRIGGER `triggers`.`number`

-> AFTER INSERT ON `triggers`.`emp\_details`

-> FOR EACH ROW

-> BEGIN

-> IF

-> employee\_id>10

-> THEN

-> INSERT INTO number 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 ';

END' at line 9

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 (0.09 sec)

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

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

-> $$

Query OK, 1 row affected (0.36 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 |

| 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 [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$$

Query OK, 0 rows affected (0.56 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 |

| 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 [triggers]> UPDATE EMP\_DETAILS SET SALARY = SALARY + 1000;

-> $$

Query OK, 8 rows affected (0.71 sec)

Rows matched: 8 Changed: 8 Warnings: 0

MariaDB [triggers]> 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 09:06:14 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record RABI Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record Ana Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:06:14 |

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

8 rows in set (0.00 sec)

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 (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

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 (0.23 sec)

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 | NULL | NULL | NULL |

| 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 (0.10 sec)

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 (0.08 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 (0.08 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 | 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 [triggers]> DELETE FROM EMP\_DETAILS WHERE EMPLOYEE\_ID = 100;

-> $$

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 |

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

| 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 (0.02 sec)

MariaDB [triggers]> 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 09:06:14 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record RABI Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:06:14 |

| root@localhost | Update employee Record Ana Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:06:14 |

| root@localhost | Delete Employee RecordSTEVEN->

Deleted on | 2018-01-24 09:24:08 |

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

9 rows in set (0.00 sec)

MariaDB [triggers]> select \*from custom;

-> $$

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

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.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 [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$$

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

MariaDB [triggers]> exit;

-> $$

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 'exit' at line 1

MariaDB [triggers]> exit$$

Bye

730056@128-IMAC17 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 62

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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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 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);

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)' at line 5

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

-> BEFORE UPDATE on Products FOR EACH ROW

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

-> \c

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);

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]> select \*from products;

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

| Code | Name | Price | Manufacturer |

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

| 1 | Hard drive | 240 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

| 11 | Printer | 40 | 7 |

| 12 | Toner cartridge | 54 | 7 |

| 13 | DVD burner | 78 | 7 |

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

13 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.code,old.price);

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 table custom(Id int(4),Name char(30),Email varchar(30),PurchaseAmount float(20),MembershipType varchar(20));

Query OK, 0 rows affected (1.24 sec)

MariaDB [csd2204w18]> insert into custom values(101,'John','john.thomsan@gmail.com','1000000','Gold');

Query OK, 1 row affected (0.11 sec)

MariaDB [csd2204w18]> insert into custom values(102,'Shawn','shawn.michaels@gmail.com','500000','Silver');

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into custom values(103,'Wilson','wilson@gmail.com','150000','Bronze');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into custom values(104,'dawson','dawsonwinehouse@gmail.com','1000000','Gold');

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> create or replace trigger `class\_activity\_UP`

-> AFTER UPDATE ON class\_activity\_UP FOR EACH ROW

-> BEGIN

-> SET @P=NEW.PURCHAREAMOUNT;

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 `class\_activity\_UP`

-> AFTER UPDATE ON class\_activity\_UP FOR EACH ROW

-> BEGIN

-> SET @P=NEW.PURCHAREAMOUNT

-> if New.PurchaseAMOUNT > 1000000

-> Then SET NEW.MEMBERSHIPTYPE="GOLD";

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 'if New.PurchaseAMOUNT > 1000000

Then SET NEW.MEMBERSHIPTYPE="GOLD"' at line 5

MariaDB [csd2204w18]> Dilimiter $$

-> ;

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 'Dilimiter $$' at line 1

MariaDB [csd2204w18]> Dilimiter $$

-> ;

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 'Dilimiter $$' at line 1

MariaDB [csd2204w18]> Delimiter $$

MariaDB [csd2204w18]> create or replace trigger `class\_activity\_UP`

-> AFTER UPDATE ON class\_activity\_UP FOR EACH ROW

-> SET @P=NEW.PURCHAREAMOUNT

-> if New.PurchaseAMOUNT > 1000000

-> THEN SET NEW.MEMBERSHIPTYPE="GOLD";

-> ELSE IF NEW.PURCHASEAMOUNT > 50000 AND NEW.PURCHASEAMOUNT < 1000000

-> THEN SET NEW.MEMBERSHIPTYPE ='Silver';

-> ELSEIF NEW.PURCHASEAMOUNT < 500000

-> THEN SET NEW.MembershipType = 'Bronze';

-> ELSE

-> SET NEW.MembershipType = 'Not Available';

-> 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 'if New.PurchaseAMOUNT > 1000000

THEN SET NEW.MEMBERSHIPTYPE="GOLD";

ELSE IF NEW.' at line 4

MariaDB [csd2204w18]> create or replace trigger `class\_activity\_UP`

-> BEFORE UPDATE ON custom for EACH ROW

-> BEGIN

-> IF New.PurchaseAmount > 1000000

-> Then SET NEW.MembershipType = 'GOLD';

-> ELSEIF NEW.PURCHASEAMOUNT > 500000 AND NEW.PURCHASEAMOUNT < 1000000

-> THEN SET NEW.MembershipType = 'Silver';

-> ELSEIF NEW.PURCHASEAMOUNT < 500000

-> THEN SET NEW.MembershipType = 'Bronze';

-> ELSE

-> SET NEW.MembershipType = 'Not Available';

-> END IF;

-> END$$

Query OK, 0 rows affected (0.47 sec)

MariaDB [csd2204w18]> update into custom set purchaseAmount = 1000 where id = 1;

-> $$

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 'into custom set purchaseAmount = 1000 where id = 1' at line 1

MariaDB [csd2204w18]> update custom set purchaseAmount = 1000 where id = 1;

-> $$

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [csd2204w18]> select \*from custom$$

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

| Id | Name | Email | PurchaseAmount | MembershipType |

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

| 101 | John | john.thomsan@gmail.com | 1000000 | Gold |

| 102 | Shawn | shawn.michaels@gmail.com | 500000 | Silver |

| 103 | Wilson | wilson@gmail.com | 150000 | Bronze |

| 104 | dawson | dawsonwinehouse@gmail.com | 1000000 | Gold |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> update custom set purchaseAmount = 1000 where id = 101;

-> $$

Query OK, 1 row affected (0.20 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> select \*from custom$$

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

| Id | Name | Email | PurchaseAmount | MembershipType |

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

| 101 | John | john.thomsan@gmail.com | 1000 | Bronze |

| 102 | Shawn | shawn.michaels@gmail.com | 500000 | Silver |

| 103 | Wilson | wilson@gmail.com | 150000 | Bronze |

| 104 | dawson | dawsonwinehouse@gmail.com | 1000000 | Gold |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]>