Setting environment for using XAMPP for Windows.

710019@128-IMAC11 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.02 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> tee c:/xampp/day13log.txt;

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

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 (0.97 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 (0.06 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 (0.09 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 (0.02 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 (0.03 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 (0.06 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 (0.33 sec)

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

-> USER VARCHAR(50),

-> DESCRIPTION VARCHAR(100),

-> UDTTIME DATETIME);

Query OK, 0 rows affected (0.39 sec)

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

-> USER VARCHAR(50),

-> DESCRIPTION VARCHAR(100),

-> UDTTIME DATETIME);

Query OK, 0 rows affected (0.53 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 (0.31 sec)

MariaDB [csd2204w18]>

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.03 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

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 (0.27 sec)

MariaDB [csd2204w18]>

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 (0.34 sec)

MariaDB [csd2204w18]> show triggers;

Empty set (0.02 sec)

MariaDB [csd2204w18]> create table number(

-> n1 float(10,2)

-> );

Query OK, 0 rows affected (1.05 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 (0.09 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 (0.00 sec)

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

Query OK, 1 row affected (0.06 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 (0.00 sec)

MariaDB [csd2204w18]> select \* from number;

+------+

| n1 |

+------+

| 2.50 |

+------+

1 row in set (0.00 sec)

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

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> select \* from number;

+------+

| n1 |

+------+

| 2.50 |

| 3.50 |

+------+

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| emp\_details |

| log\_emp\_details |

| log\_emp\_details\_update |

| number |

| price\_logs |

| stud\_marks |

| user\_change\_logs |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> show triggers;

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

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

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

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

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

1 row in set (0.01 sec)

MariaDB [csd2204w18]> insert into number values(11.5);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> select @sum;

+------+

| @sum |

+------+

| NULL |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> insert into number values(235.7);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> select @sum;

+------+

| @sum |

+------+

| NULL |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from number;

+--------+

| n1 |

+--------+

| 2.50 |

| 3.50 |

| 11.50 |

| 235.70 |

+--------+

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select @sum;

+------+

| @sum |

+------+

| NULL |

+------+

1 row in set (0.00 sec)

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());

-> END$$

Query OK, 0 rows affected (0.09 sec)

MariaDB [csd2204w18]> SELECT \* FROM log\_emp\_details;

-> $$

Empty set (0.00 sec)

MariaDB [csd2204w18]> 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 (0.06 sec)

MariaDB [csd2204w18]> SELECT \* FROM log\_emp\_details;$$

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

| EMPLOYEE\_ID | SALARY | EDTTIME |

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

| 236 | 15000.00 | 2018-01-24 08:39:00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> create trigger insert\_sum1

-> before insert on number

-> if(n1>1)

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

-> 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(n1>1)

for each row set @sum =n1.number;

end' at line 3

MariaDB [csd2204w18]> create trigger insert\_sum1

-> if(n1.number>1)

-> before insert on number

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

-> endif;

-> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'if(n1.number>1)

before insert on number

for each row set @sum =n1.number;

endif;' at line 2

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 (0.14 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 |

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

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> insert into emp\_details values(345,' ana ',' queen ','null',234567,'2018-3-3','sv\_prog',23000,23)$$

Query OK, 1 row affected, 1 warning (0.06 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 |

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

| 345 | ana | queen | null | 234567 | 2018-03-03 | SV\_PROG | 23000.00 | 0.99 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> create trigger insert\_sum1

-> -> if(n1.number>1)

-> -> before insert on number

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

-> -> endif;

-> -> end$$

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '-> if(n1.number>1)

-> before insert on number

-> for each row set @sum =' at line 2

MariaDB [csd2204w18]> create trigger ins\_sum1

-> begin

-> if(n1.number>1)

-> before insert on number

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

-> 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 'begin

if(n1.number>1)

before insert on number

for each row set @sum = n1.number;' at line 2

MariaDB [csd2204w18]> create trigger ins\_sum1

-> before insert on number

-> begin

-> if(n1.number>1)

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

-> 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 'begin

if(n1.number>1)

for each row set @sum = n1.number;

end' at line 3

MariaDB [csd2204w18]> select \* from emp\_details\_bins;

-> $$

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

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 (0.19 sec)

MariaDB [csd2204w18]> update emp\_detail set salary = salary+1000;

-> $$

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

MariaDB [csd2204w18]> update emp\_details set salary = salary+1000;$$

Query OK, 8 rows affected (0.14 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 |

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

| 345 | ana | queen | null | 234567 | 2018-03-03 | SV\_PROG | 24000.00 | 0.99 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from emp\_details\_update$$

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

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 09:07:15 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record RABI Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record ana Old Salary :23000.00 New Salary : 24000.00 | 2018-01-24 09:07:15 |

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

8 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 (0.11 sec)

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

Nothing found

Please try to run 'help contents' for a list of all accessible topics

MariaDB [csd2204w18]> update stud\_marks set sub1=54,sub2=69,sub3=89,sub4=87,sub5=59 where studentid=1;

-> $$

ERROR 1054 (42S22): Unknown column 'studentid' in 'where clause'

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 (0.05 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]> create trigger sum\_int1

-> before insert on number

-> if n1.number>1

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

-> 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 n1.number>1

for each row set @sum =n1.number;

end if;

end' at line 3

MariaDB [csd2204w18]> create trigger sum\_int1

-> before insert on number

-> begin

-> if n1.number>1

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

-> 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 'begin

if n1.number>1

for each row set @sum =n1.number;

end if;

end' at line 3

MariaDB [csd2204w18]> create trigger ~sum\_int1~

-> before insert on number

-> $$

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 '~sum\_int1~

before insert on number' at line 1

MariaDB [csd2204w18]> create trigger sum\_int1

-> before insert on number;

-> begin

-> if n1.number>1

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

-> 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 ';

begin

if n1.number>1

for each row set @sum =n1.number;

end if;

end' at line 2

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 (0.11 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 |

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

| 345 | ana | queen | null | 234567 | 2018-03-03 | SV\_PROG | 24000.00 | 0.99 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> delete from emp\_details where employee\_id = 100;

-> $$

Query OK, 1 row affected (0.36 sec)

MariaDB [csd2204w18]> 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 |

| 345 | ana | queen | null | 234567 | 2018-03-03 | SV\_PROG | 24000.00 | 0.99 |

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

7 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 09:07:15 |

| root@localhost | Update employee Record NEENA Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record LEX Old Salary :17000.00 New Salary : 18000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record ALEXANDER Old Salary :9000.00 New Salary : 10000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record BRUCE Old Salary :6000.00 New Salary : 7000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record DAVID Old Salary :4800.00 New Salary : 5800.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record RABI Old Salary :15000.00 New Salary : 16000.00 | 2018-01-24 09:07:15 |

| root@localhost | Update employee Record ana Old Salary :23000.00 New Salary : 24000.00 | 2018-01-24 09:07:15 |

| root@localhost | Delete Employee RecordSTEVEN->

Deleted on | 2018-01-24 09:25:41 |

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

9 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE Products (

-> Code INTEGER(3) AUTO\_INCREMENT,

-> Name VARCHAR(255) NOT NULL ,

-> Price DECIMAL NOT NULL ,

-> Manufacturer INTEGER(3),

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

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

-> );

-> $$

ERROR 1005 (HY000): Can't create table `csd2204w18`.`products` (errno: 150 "Foreign key constraint is incorrectly formed")

MariaDB [csd2204w18]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

-> $$

Query OK, 0 rows affected (0.28 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Sony');

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

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

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

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

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

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

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

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

-> $$

Query OK, 1 row affected (0.05 sec)

Query OK, 1 row affected (0.08 sec)

Query OK, 1 row affected (0.13 sec)

Query OK, 1 row affected (0.19 sec)

Query OK, 1 row affected (0.20 sec)

Query OK, 1 row affected (0.23 sec)

Query OK, 1 row affected (0.25 sec)

Query OK, 1 row affected (0.30 sec)

Query OK, 1 row affected (0.36 sec)

MariaDB [csd2204w18]> CREATE TABLE Products (

-> Code INTEGER(3) AUTO\_INCREMENT,

-> Name VARCHAR(255) NOT NULL ,

-> Price DECIMAL NOT NULL ,

-> Manufacturer INTEGER(3),

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

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

-> );

-> $$

Query OK, 0 rows affected (0.83 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Hard drive',240,5);

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

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

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

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

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

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

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

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

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

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

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

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

-> $$

Query OK, 1 row affected (0.06 sec)

Query OK, 1 row affected (0.09 sec)

Query OK, 1 row affected (0.19 sec)

Query OK, 1 row affected (0.22 sec)

Query OK, 1 row affected (1.88 sec)

Query OK, 1 row affected (2.13 sec)

Query OK, 1 row affected (2.20 sec)

Query OK, 1 row affected (2.25 sec)

Query OK, 1 row affected (2.36 sec)

Query OK, 1 row affected (2.59 sec)

Query OK, 1 row affected (2.63 sec)

Query OK, 1 row affected (2.70 sec)

Query OK, 1 row affected (2.77 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 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 (0.17 sec)

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

-> $$

Query OK, 1 row affected (0.13 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 table custom(

-> id int(3),

-> name varchar(10),

-> email varchar(30),

-> purchaseamount float(10,2),

-> membershiptype varchar(10)

-> );

-> $$

Query OK, 0 rows affected (0.33 sec)

MariaDB [csd2204w18]> insert into custom values(101,'ana','ana.1@gmail.com',2000000,'gold');

-> $$

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> insert into custom values(102,'emma','emma.1@gmail.com',600000,'silver');$$

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> insert into custom values(103,'hina','hina.1@gmail.com',560000,'silver');$$

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into custom values(104,'meena','meena.1@gmail.com',56000,'bronze');$$

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> insert into custom values(105,'kee','kee.1@gmail.com',5600000,'gold');$$

Query OK, 1 row affected (0.16 sec)

MariaDB [csd2204w18]> create trigger `update\_member`

-> before update on custom for each row

-> begin

-> if new.amount >1000000

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

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

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

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

-> end if;

-> end$$

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

MariaDB [csd2204w18]> create trigger `update\_member`

-> before update on custom for each row

-> begin

-> if new.purchaseamount >1000000

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

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

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

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

-> end if;

-> end$$

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

MariaDB [csd2204w18]> create trigger `update\_member`

-> before update on custom for each row

-> begin

-> if new.purchaseamount >1000000

-> then set new.membership ='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 '' at line 5

MariaDB [csd2204w18]> create trigger `update\_member`

-> 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`;

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

-> end if;

-> end$$

Query OK, 0 rows affected (0.09 sec)

MariaDB [csd2204w18]> select\* from custom;

-> $$

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

| id | name | email | purchaseamount | membershiptype |

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

| 101 | ana | ana.1@gmail.com | 2000000.00 | gold |

| 102 | emma | emma.1@gmail.com | 600000.00 | silver |

| 103 | hina | hina.1@gmail.com | 560000.00 | silver |

| 104 | meena | meena.1@gmail.com | 56000.00 | bronze |

| 105 | kee | kee.1@gmail.com | 5600000.00 | gold |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> update custom set purchaseamount =3000000 where id =102;

-> $$

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> select \* from custom;

-> $$

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

| id | name | email | purchaseamount | membershiptype |

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

| 101 | ana | ana.1@gmail.com | 2000000.00 | gold |

| 102 | emma | emma.1@gmail.com | 3000000.00 | gold |

| 103 | hina | hina.1@gmail.com | 560000.00 | silver |

| 104 | meena | meena.1@gmail.com | 56000.00 | bronze |

| 105 | kee | kee.1@gmail.com | 5600000.00 | gold |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]>