MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> create table number(n1 float(5,2));

Query OK, 0 rows affected (1.02 sec)

MariaDB [csd2204w18]> create trigger ins\_sum

-> before insert on number

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

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=new.n1' at line 3

MariaDB [csd2204w18]> create or replace trigger ins\_sum

-> before insert on number

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

Query OK, 0 rows affected (0.39 sec)

MariaDB [csd2204w18]> insert into number values(2.50);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> select @sum;

+------+

| @sum |

+------+

| 2.5 |

+------+

1 row in set (0.00 sec)

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));INSERT INTO EMP\_DETAILS VALUES(100,'STEVEN','KING','STEVEN.KING@GMAIL.COM','2345678','1998-01-14','AD\_PRES',24000.0,0.10);INSERT INTO EMP\_DETAILS VALUES(101,'NEENA','KOCHHAR','NEENA.KOCHHAR@GMAIL.COM','2345678','2002-10-10','AD\_VP',17000.0,0.50);INSERT INTO EMP\_DETAILS VALUES(102,'LEX','DE HANN','LEX.HANN@GMAIL.COM','2345678','1995-10-20','AD\_VP',17000.0,0.50);INSERT INTO EMP\_DETAILS VALUES(103,'ALEXANDER','HUNOLD','ALEXANDER.HUNOLD@GMAIL.COM','2345678','2002-11-23','IT\_PROG',9000.0,0.25);INSERT INTO EMP\_DETAILS VALUES(104,'BRUCE','ERNST','BRUCE.ERNST@GMAIL.COM','2345678','2003-08-24','IT\_PROG',6000.0,0.25);INSERT INTO EMP\_DETAILS VALUES(105,'DAVID','AUSTIN','DAVID.AUSTIN@GMAIL.COM','2345678','2005-04-10','IT\_PROG',4800.0,0.25);CREATE OR REPLACE TABLE LOG\_EMP\_DETAILS( EMPLOYEE\_ID INTEGER(6), SALARY DOUBLE(8,2), EDTTIME DATETIME);CREATE OR REPLACE TABLE LOG\_EMP\_DETAILS\_UPDATE( USER VARCHAR(50), DESCRIPTION VARCHAR(100), UDTTIME DATETIME);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));INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(1,'ALEX');INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(2,'BOB');INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(3,'CHARLEY');INSERT INTO STUD\_MARKS (STUDENT\_ID,NAME) VALUES(4,'DONNA');CREATE TABLE price\_logs ( id INT(11) PRIMARY KEY AUTO\_INCREMENT, product\_code INT(3) NOT NULL, price DECIMAL(10) NOT NULL); 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 (0.56 sec)

Query OK, 1 row affected (0.05 sec)

Query OK, 1 row affected (0.06 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected, 1 warning (0.03 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.02 sec)

Query OK, 0 rows affected (0.27 sec)

Query OK, 0 rows affected (0.28 sec)

Query OK, 0 rows affected (0.14 sec)

Query OK, 1 row affected (0.02 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.03 sec)

Query OK, 1 row affected (0.02 sec)

Query OK, 0 rows affected (0.39 sec)

Query OK, 0 rows affected (0.19 sec)

MariaDB [csd2204w18]> deimiter $$

-> ;

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 'deimiter $$' at line 1

MariaDB [csd2204w18]> delimiter $$

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 (0.09 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]> select \* from log\_emp\_details$$

Empty 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 (0.11 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 (0.05 sec)

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

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

| EMPLOYEE\_ID | SALARY | EDTTIME |

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

| 236 | 15000.00 | 2018-01-24 08:46:15 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> show triggers from csd2204w18;

-> $$

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

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

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

| emp\_details\_BINS | INSERT | emp\_details | 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 | BEFORE | NULL | NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | latin1\_swedish\_ci |

| 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 |

| 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 |

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

3 rows in set (0.00 sec)

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 (0.23 sec)

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

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

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(107,' john',' cena ','jc@jc.com','6479905','2014-12-01','it\_prog','10000.00','0.60')$$

Query OK, 1 row affected (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 |

| 107 | john | cena | jc@jc.com | 6479905 | 2014-12-01 | IT\_PROG | 10000.00 | 0.60 |

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

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

8 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 (0.11 sec)

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

Query OK, 8 rows affected (0.23 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 |

| 107 | john | cena | jc@jc.com | 6479905 | 2014-12-01 | IT\_PROG | 11000.00 | 0.60 |

| 236 | RABI | CHANDRA | 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\_UPDATE;$$

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

| USER | DESCRIPTION | UDTTIME |

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

| root@localhost | Update employee Record STEVEN Old Salary :24000.00 New Salary : 25000.00 | 2018-01-24 09:06:06 |

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

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

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

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

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

| root@localhost | Update employee Record john Old Salary :10000.00 New Salary : 11000.00 | 2018-01-24 09:06:06 |

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

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

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 (0.16 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 (0.09 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]> select \* from number

-> $$

+------+

| n1 |

+------+

| 2.50 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> create or replace trigger `trig\_num`

-> before insert on number for each row

-> begin

-> if new.n1 > 10

-> then DBMS\_OUTPUT.PUT\_LINE('No insertion with number greater than 10');

-> rollback;

-> 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 '.PUT\_LINE('No insertion with number greater than 10');

rollback;

end if;

end' at line 5

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 (0.08 sec)

MariaDB [csd2204w18]> show triggers from csd2204w18$$

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

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

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

| emp\_details\_BINS | INSERT | emp\_details | 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 | BEFORE | NULL | NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | latin1\_swedish\_ci |

| 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 |

| emp\_details\_AUPD | UPDATE | emp\_details | 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 | AFTER | NULL | NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | latin1\_swedish\_ci |

| emp\_details\_ADEL | DELETE | emp\_details | BEGIN

INSERT INTO LOG\_EMP\_DETAILS\_UPDATE VALUES (user(),

CONCAT('Delete Employee Record', OLD.FIRST\_NAME, '->\nDeleted on '),NOW());

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

| 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 |

| stud\_marks\_BUPD | UPDATE | stud\_marks | 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 | BEFORE | NULL | NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION | root@localhost | cp850 | cp850\_general\_ci | latin1\_swedish\_ci |

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

6 rows in 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 | 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 |

| 107 | john | cena | jc@jc.com | 6479905 | 2014-12-01 | IT\_PROG | 11000.00 | 0.60 |

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

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

8 rows in set (0.00 sec)