mysql> create procedure p1(IN i int)

-> begin

-> declare n varchar(15);

-> declare g varchar(6);

-> select name, gender into n, g from person where id = i;

-> if g = 'Male' then

-> select concat('Mr.', n);

-> else select concat('Ms.', n);

-> end if;

-> end

-> $$

Query OK, 0 rows affected (0.14 sec)

mysql> call p1(10)$$

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

| concat('Mr.', n) |

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

| Mr.Alex |

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

1 row in set (0.02 sec)

Query OK, 0 rows affected (0.03 sec)

mysql> call p1(20)$$

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

| concat('Ms.', n) |

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

| Ms.Sony |

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

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from person$$

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

| id | name | gender |

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

| 10 | Alex | Male |

| 20 | Sony | Female |

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

2 rows in set (0.00 sec)

mysql> select current\_time$$

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

| current\_time |

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

| 10:01:56 |

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

1 row in set (0.00 sec)

mysql> delimiter ;

mysql> create table user(id int primary key, name varchar(15), password varchar(15));

Query OK, 0 rows affected (0.66 sec)

mysql> create table user\_history(id int primary key, name varchar(15), old\_password varchar(15), modified\_time timestamp);

Query OK, 0 rows affected (0.72 sec)

mysql> insert into user values(1, 'Alex', 'alex123');

Query OK, 1 row affected (0.14 sec)

mysql> insert into user values(2, 'Bruce', 'bruce123');

Query OK, 1 row affected (0.09 sec)

mysql> delimiter $$

mysql> create trigger user\_update

-> before update on user for each row

-> begin

-> insert into user\_history values(old.id, old.name, old.password, now());

-> end;

-> $$

Query OK, 0 rows affected (0.14 sec)

mysql> select \* from user$$

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

| id | name | password |

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

| 1 | Alex | alex123 |

| 2 | Bruce | bruce123 |

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

2 rows in set (0.13 sec)

mysql> select \* from user\_history$$

Empty set (0.06 sec)

mysql> update user set password='888' where id = 1$$

Query OK, 1 row affected (0.11 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from user\_history$$

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

| id | name | old\_password | modified\_time |

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

| 1 | Alex | alex123 | 2022-03-21 10:09:26 |

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

1 row in set (0.00 sec)