During coding some database. I made decision to generate trigger/create
function/procedure code text dynamically.
After that I got several attempts to implement my decision. All times I had bad
results and can not implements my plans.
To execute all attempts I used MariaDB 10.4 database server.

```
================================================================================
                               Attempt number 1
================================================================================

      DELIMITER $$
      set GLOBAL log_bin_trust_function_creators = 1;
      /* fragment */
      drop procedure if exists createtrigger;
      create procedure createtrigger(
                  in rname varchar(30),
                  in evnt  varchar(6),
                  in sqlcmnd varchar(6))
      begin
            declare code varchar(255);
            declare tmpl varchar(125)
                  default 'create or replace
                              trigger rname_event_sqlcmnd
                              event sqlcmnd on rname
                              for each row call operationlog("rname","sqlcmnd");';
            #
            set code = replace(tmpl, 'event', evnt);
            set code = replace(code, 'rname', rname);
            set code = replace(code, 'sqlcmnd',sqlcmnd);
            select code;
            execute immediate code;
      end;
      $$
      DELIMITER ;
      /* the place of database code where call procedure is situated */
      call createtrigger("providers", "after", "insert");

ERROR 1295 (HY000) at line 193 in file: 'db/payments.sql': This command is not
supported in the prepared statement protocol yet


================================================================================
                               Attempt number 2
================================================================================

      DELIMITER $$
      set GLOBAL log_bin_trust_function_creators = 1;
      /**/

      drop procedure if exists createtrigger;
      create procedure createtrigger(
                  in rname varchar(30),
                  in evnt  varchar(6),
                  in sqlcmnd varchar(6))
      begin
            declare code varchar(255);
            declare tmpl varchar(125) default 'create or replace
                  trigger rname_event_sqlcmnd
                  event sqlcmnd on rname
                  for each row call operationlog("rname","sqlcmnd");';
            #
```

```
            set code = replace(tmpl, 'event', evnt);
            set code = replace(code, 'rname', rname);
            set code = replace(code, 'sqlcmnd',sqlcmnd);
            #
            select code;
            prepare stmt from code;
            execute stmt;
            deallocate prepare stmt;
      end;
      $$
      DELIMITER ;
      /**/
      call createtrigger("providers", "after", "insert");

ERROR 1295 (HY000) at line 193 in file: 'db/payments.sql': This command is not
supported in the prepared statement protocol yet
================================================================================
                              Attempt number 3
================================================================================
create or replace table dynamicsqlcodes(
            id int not null auto_increment,
            codename varchar(30) not null,
            codetext varchar(255) not null,
            primary key(id)) engine=memory default character set 'utf8';

      DELIMITER $$
      set GLOBAL log_bin_trust_function_creators = 1;
      /**/

      drop procedure if exists createtrigger;
      create procedure createtrigger(
            in rname varchar(30),
            in evnt  varchar(6),
            in sqlcmnd varchar(6))
      begin
            declare code varchar(255);
            declare tmpl varchar(125) default 'create or replace
                        trigger rname_event_sqlcmnd
                        event sqlcmnd on rname
                        for each row call operationlog("rname","sqlcmnd");';
            #
            set code = replace(tmpl, 'event', evnt);
            set code = replace(code, 'rname', rname);
            set code = replace(code, 'sqlcmnd',sqlcmnd);
            select code;
            insert into dynamicsqlcodes(codename, codetext) values(rname, code);
      end;

      drop procedure if exists applycode;
      create procedure applycode(in name varchar(30))
      begin
            set @pathname = replace('/tmp/rname_triggers','rname',codename);
            set @content  = (select codetext
                               from dynamicsqlcodes
                               where codename = name);
            select @content into outfile @pathname;
            source @pathname;
      end;
      $$
```

```
    DELIMITER ;

    call createtrigger("providers", "after", "insert");
    call applycode("providers");
```

After attempt to check db.sql I got this error!
ERROR 1064 (42000) at line 78 in file: 'db/payments.sql': 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 '@pathname;
```
    source @pathname;
    end' at line 5
```
==

                               Attempt number 4
==
And another definition of applycode stored procedure:

```
    drop procedure if exists applycode;
    create procedure applycode()
    begin
        select (select codetext
                    from dynamicsqlcodes)
                    into outfile /tmp/alltriggers.sql;
        source /tmp/alltriggers.sql;
    end;
```

After attempt to check db.sql I got this error!

ERROR 1064 (42000) at line 78 in file: 'db.sql': 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 '/tmp/alltriggers.sql;
source /tmp/alltriggers.sql;

Have anybody an ideas how to avoid these database constraints???