```
#01
MariaDB [dbspr]> select name, type from mysql.proc where db=database();
+------+-----------+
| name | type      |
+------+-----------+
| udiv | PROCEDURE |
| usum | FUNCTION  |
+------+-----------+
2 rows in set (0.002 sec)

02
MariaDB [dbspr]> show variables like 'collation_database';
+--------------------+-------------------+
| Variable_name      | Value             |
+--------------------+-------------------+
| collation_database | latin1_swedish_ci |
+--------------------+-------------------+
1 row in set (0.008 sec)

#03
MariaDB [dbspr]> drop function if exists uencrypt;
Query OK, 0 rows affected, 1 warning (0.001 sec)

#04
MariaDB [dbspr]> show warnings;
+-------+------+----------------------------------------+
| Level | Code | Message                                |
+-------+------+----------------------------------------+
| Note  | 1305 | FUNCTION dbspr.uencrypt does not exist |
+-------+------+----------------------------------------+
1 row in set (0.001 sec)

#05
MariaDB [dbspr]> delimiter //
MariaDB [dbspr]>
MariaDB [dbspr]> create or replace function uencrypt(fp text)
    -> returns text
    -> begin
    ->
    -> declare apwd, epwd varchar(7);
    -> declare ae, ed, cd text;
    ->
    -> set apwd='0to9!@#';
    -> set epwd='A2Z$a2z';
    ->
    -> set ae=aes_encrypt(fp, apwd);
    -> set ed=encode(ae, epwd);
    -> set cd=compress(ed);
    ->
    -> return cd;
    -> end
    -> //
Query OK, 0 rows affected (0.011 sec)

MariaDB [dbspr]>
MariaDB [dbspr]> delimiter ;
MariaDB [dbspr]>

#06
MariaDB [dbspr]> select name, type from mysql.proc where db=database();
+----------+-----------+
| name     | type      |
+----------+-----------+
| udiv     | PROCEDURE |
| uencrypt | FUNCTION  |
| usum     | FUNCTION  |
+----------+-----------+
3 rows in set (0.002 sec)
```

```
#07
MariaDB [dbspr]> drop function if exists udecrypt;
Query OK, 0 rows affected, 1 warning (0.001 sec)

#08
MariaDB [dbspr]> show warnings;
+-------+------+-------------------------------------+
| Level | Code | Message                             |
+-------+------+-------------------------------------+
| Note  | 1305 | FUNCTION dbspr.udecrypt does not exist |
+-------+------+-------------------------------------+
1 row in set (0.000 sec)

#09
MariaDB [dbspr]> delimiter //
MariaDB [dbspr]> create or replace function udecrypt(fp text)
    -> returns text
    -> begin
    ->
    -> declare apwd, epwd varchar(7);
    -> declare ud, dd, ad text;
    ->
    -> set apwd='0to9!@#';
    -> set epwd='A2Z$a2z';
    ->
    -> set ud=uncompress(fp);
    -> set dd=decode(ud,epwd);
    -> set ad=aes_decrypt(dd, apwd);
    ->
    -> return ad;
    -> end
    -> //
Query OK, 0 rows affected (0.004 sec)

MariaDB [dbspr]>
MariaDB [dbspr]> delimiter ;
MariaDB [dbspr]>

#10
MariaDB [dbspr]> set @pd='Tea is one of the categories of Hot drink';
Query OK, 0 rows affected (0.004 sec)

#11
MariaDB [dbspr]> select @pd;
+-------------------------------------------+
| @pd                                       |
+-------------------------------------------+
| Tea is one of the categories of Hot drink |
+-------------------------------------------+
1 row in set (0.001 sec)

#12
MariaDB [dbspr]> set @ed=uencrypt(@pd); --@pd -> fp
Query OK, 0 rows affected (0.011 sec)

#13
MariaDB [dbspr]> select @ed;
+-----------------------------------------------------------------------------------------------
+
| @ed
|
+-----------------------------------------------------------------------------------------------
+
| 0    xœ0 ÏÿÝ²æ<gV`áZîv'I_î©÷nòo˜¤V¬ß?ÀñÏ‹ÏAÒ¢í'áÂ¸ÍáGc
+-----------------------------------------------------------------------------------------------
+
1 row in set (0.001 sec)

#14
```

```
MariaDB [dbspr]> set @dd=udecrypt(@ed); -- @ed -> fp
Query OK, 0 rows affected (0.001 sec)

#15
MariaDB [dbspr]> select @dd;
+-------------------------------------------+
| @dd                                       |
+-------------------------------------------+
| Tea is one of the categories of Hot drink |
+-------------------------------------------+
1 row in set (0.001 sec)
```