```
#01
MariaDB [dbspr]> show databases;
+--------------------+
| Database           |
+--------------------+
| dbspr              |
| information_schema |
| mysql              |
| performance_schema |
| phpmyadmin         |
| sports_event       |
| tbspr              |
| test               |
+--------------------+
8 rows in set (0.002 sec)

#02
MariaDB [(none)]> select database();
+------------+
| database() |
+------------+
| NULL       |
+------------+
1 row in set (0.001 sec)

#03
MariaDB [(none)]> create database if not exists tbspr;
Query OK, 0 rows affected, 1 warning (0.001 sec)

#04
MariaDB [(none)]> show warnings;
+-------+------+----------------------------------------------+
| Level | Code | Message                                      |
+-------+------+----------------------------------------------+
| Note  | 1007 | Can't create database 'tbspr'; database exists |
+-------+------+----------------------------------------------+
1 row in set (0.000 sec)

#05
MariaDB [(none)]> use dbspr;
Database changed

#06
MariaDB [dbspr]> select database();
+------------+
| database() |
+------------+
| dbspr      |
+------------+
1 row in set (0.000 sec)

#07
MariaDB [dbspr]> show warnings;
+-------+------+----------------------------------------------+
| Level | Code | Message                                      |
+-------+------+----------------------------------------------+
| Note  | 1007 | Can't create database 'tbspr'; database exists |
+-------+------+----------------------------------------------+
1 row in set (0.001 sec)

#08
MariaDB [dbspr]> drop table if exists tblesa;
Query OK, 0 rows affected, 1 warning (0.001 sec)

#09
MariaDB [dbspr]> show warnings;
+-------+------+-------------------------------+
| Level | Code | Message                       |
+-------+------+-------------------------------+
```

```
| Note  | 1051 | Unknown table 'dbspr.tblesa' |
+-------+------+------------------------------+
1 row in set (0.001 sec)

#10
MariaDB [dbspr]> create table if not exists tblesa
    -> (
    -> rno int primary key auto_increment,
    -> ename text not null,
    -> sal decimal (11,2) unsigned not null,
    -> hra decimal (11,2) unsigned not null,
    -> da decimal (11,2) unsigned not null,
    -> pf decimal (11,2) unsigned not null ,
    -> gp decimal (11,2) unsigned not null ,
    -> np decimal (11,2) unsigned not null default 0
    -> ) auto_increment = 1001;
Query OK, 0 rows affected (0.014 sec)

#11
MariaDB [dbspr]> show tables;
+-----------------+
| Tables_in_dbspr |
+-----------------+
| tbl1er          |
| tblesa          |
| tblest          |
+-----------------+
3 rows in set (0.002 sec)

#12
MariaDB [dbspr]> select * from tblesa;
Empty set (0.005 sec)

#13
MariaDB [dbspr]> select count(*) from tblesa;
+----------+
| count(*) |
+----------+
|        0 |
+----------+
1 row in set (0.001 sec)

#14
MariaDB [dbspr]> drop trigger if exists trginsesa;
Query OK, 0 rows affected, 1 warning (0.002 sec)

#15
MariaDB [dbspr]> show warnings;
+-------+------+------------------------+
| Level | Code | Message                |
+-------+------+------------------------+
| Note  | 1360 | Trigger does not exist |
+-------+------+------------------------+
1 row in set (0.001 sec)

#16
MariaDB [dbspr]> drop trigger if exists trgupdesa;
Query OK, 0 rows affected, 1 warning (0.002 sec)

#17
MariaDB [dbspr]> show warnings;
+-------+------+------------------------+
| Level | Code | Message                |
+-------+------+------------------------+
| Note  | 1360 | Trigger does not exist |
+-------+------+------------------------+
1 row in set (0.001 sec)
```

```
#18
MariaDB [dbspr]> drop trigger if exists trgdelesa;
Query OK, 0 rows affected, 1 warning (0.001 sec)

#19
MariaDB [dbspr]> show warnings;
+-------+------+------------------------+
| Level | Code | Message                |
+-------+------+------------------------+
| Note  | 1360 | Trigger does not exist |
+-------+------+------------------------+
1 row in set (0.001 sec)

#20
MariaDB [dbspr]> delimiter //

#21
MariaDB [dbspr]> create or replace trigger trginsesa
    -> before insert on tblesa
    -> for each row
    -> begin
    -> set new.hra = new.sal * 20/100;
    -> set new.da = new.sal * 15/100;
    -> set new.pf = new.sal * 35/100;
    -> set new.gp = new.sal + new.hra + new.da ;
    -> set new.np = new.gp - new.pf;
    -> end
    -> //
Query OK, 0 rows affected (0.026 sec)

#22
MariaDB [dbspr]> delimiter ;
MariaDB [dbspr]>

#23
MariaDB [dbspr]> delimiter //

#24
MariaDB [dbspr]> create or replace trigger trgupdesa
    -> before update on tblesa
    -> for each row
    -> begin
    -> set new.hra = new.sal * 20/100;
    -> set new.da = new.sal * 15/100;
    -> set new.pf = new.sal * 35/100;
    -> set new.gp = new.sal + new.hra + new.da ;
    -> set new.np = new.gp - new.pf;
    -> end
    -> //
Query OK, 0 rows affected (0.022 sec)

#25
MariaDB [dbspr]> delimiter ;

#26
MariaDB [dbspr]> delimiter //

#27
MariaDB [dbspr]> create or replace trigger trgdelesa
    -> before delete on tblesa
    -> for each row
    -> begin
    -> signal sqlstate '12345'
    -> set message_text = 'Denied delete a row permission';
    -> end
    -> //
Query OK, 0 rows affected (0.019 sec)

#28
```

```
MariaDB [dbspr]> delimiter ;

#29
MariaDB [dbspr]> select trigger_name, event_manipulation from information_schema.triggers where
trigger_schema=database();
+--------------+--------------------+
| trigger_name | event_manipulation |
+--------------+--------------------+
| trgins1er    | INSERT             |
| trgupd1er    | UPDATE             |
| trgdel1er    | UPDATE             |
| trginsesa    | INSERT             |
| trgupesa     | UPDATE             |
| trgupdesa    | UPDATE             |
| trgdelesa    | DELETE             |
| trginsest    | INSERT             |
| trgupdest    | UPDATE             |
+--------------+--------------------+
9 rows in set (0.061 sec)

#30
MariaDB [dbspr]> insert into tblesa
    -> (ename, sal) values
    -> ('x5', 500000),
    -> ('x3', 300000),
    -> ('x1', 100000),
    -> ('x4', 400000);
Query OK, 4 rows affected (0.007 sec)
Records: 4  Duplicates: 0  Warnings: 0


#31
MariaDB [dbspr]> select * from tblesa;
+------+-------+-----------+-----------+----------+-----------+-----------+-----------+
| rno  | ename | sal       | hra       | da       | pf        | gp        | np        |
+------+-------+-----------+-----------+----------+-----------+-----------+-----------+
| 1001 | x5    | 500000.00 | 100000.00 | 75000.00 | 175000.00 | 675000.00 | 500000.00 |
| 1002 | x3    | 300000.00 |  60000.00 | 45000.00 | 105000.00 | 405000.00 | 300000.00 |
| 1003 | x1    | 100000.00 |  20000.00 | 15000.00 |  35000.00 | 135000.00 | 100000.00 |
| 1004 | x4    | 400000.00 |  80000.00 | 60000.00 | 140000.00 | 540000.00 | 400000.00 |
+------+-------+-----------+-----------+----------+-----------+-----------+-----------+
4 rows in set (0.001 sec)
```