

Praktikum Trigger Minggu-8

1. Pembuatan Database orderentry dan Pembuatan Tabel products dilanjutkan dengan Pengisian Record Data pada Tabel products

```
MariaDB [pagination]> use orderentry;
Database changed

MariaDB [orderentry]> select * from products;
+-----+-----+-----+-----+-----+
| prod_id | vend_id | prod_name      | prod_price | prod_desc      |
+-----+-----+-----+-----+-----+
| P001    | V001    | Laptop ROG     | 9000000    | Laptop Gaming Berkualitas |
| P002    | V002    | Mouse Wireless | 90000      | Mouse Gaming Wireless |
| P003    | V003    | Keyboard RGB   | 190000     | Keyboard RGB Berkualitas |
+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)
```

2. Pembuatan Tabel produk_hapus yang dimana nama colomn sama dengan nama colomn Tabel product sebelumnya, produk_hapus ini akan menampilkan hasil dari Trigger

```
MariaDB [orderentry]> create table produk_hapus as select * from products where 1=2;
Query OK, 0 rows affected (0.070 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [orderentry]> desc produk_hapus;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| prod_id    | varchar(10)   | NO   |     | NULL    |       |
| vend_id    | char(4)       | NO   |     | NULL    |       |
| prod_name   | varchar(25)   | NO   |     | NULL    |       |
| prod_price  | int(11)       | NO   |     | NULL    |       |
| prod_desc   | varchar(255)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.013 sec)
```

3. Penambahan nama colomn tgl_hapus dan user ini bertujuan untuk merekam kapan data dihapus dan siapa yang menghapus.

```
MariaDB [orderentry]> desc produk_hapus;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| prod_id    | varchar(10)   | NO   |     | NULL    |       |
| vend_id    | char(4)       | NO   |     | NULL    |       |
| prod_name   | varchar(25)   | NO   |     | NULL    |       |
| prod_price  | int(11)       | NO   |     | NULL    |       |
| prod_desc   | varchar(255)  | YES  |     | NULL    |       |
| tgl_hapus   | date          | YES  |     | NULL    |       |
| user       | varchar(30)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.011 sec)
```

4. Pembuatan Trigger untuk eksekusi jika terjadi penghapusan pada tabel produk

```
MariaDB [orderentry]> DELIMITER $$
MariaDB [orderentry]> CREATE TRIGGER hapus_barang AFTER DELETE
  -> ON products FOR EACH ROW
  -> BEGIN
  -> INSERT INTO produk_hapus
  -> ( prod_id,
  -> vend_id,
  -> prod_name,
  -> prod_price,
  -> prod_desc,
  -> tgl_hapus,
  -> user
  -> )
  -> VALUES
  -> (OLD.prod_id,
  -> OLD.vend_id,
  -> OLD.prod_name,
  -> OLD.prod_price,
  -> OLD.prod_desc,
  -> SYSDATE(),
  -> CURRENT_USER
  -> );
  -> END$$
Query OK, 0 rows affected (0.096 sec)
```

5. Pengujian Trigger dengan menghapus data record seperti berikut.

```
MariaDB [orderentry]> delete from products where prod_id='P003';
  -> $$
Query OK, 1 row affected (0.179 sec)
```

6. Hasil dari Trigger yang sudah dibuat sebelumnya dan berhasil muncul.

```
MariaDB [orderentry]> select * from produk_hapus;
  -> $$
+-----+-----+-----+-----+-----+-----+-----+
| prod_id | vend_id | prod_name | prod_price | prod_desc | tgl_hapus | user |
+-----+-----+-----+-----+-----+-----+-----+
| P003 | V003 | Keyboard RGB | 190000 | Keyboard RGB Berkualitas | 2022-05-15 | root@localhost |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.013 sec)
```