

## JOB SHEET 12

### Membuat Transaksi Suatu Tabel Pada MySQL

#### Praktek 1

```
MariaDB [transaksi]> CREATE TABLE user (username varchar (50), UNIQUE (username))
-> ENGINE=InnoDB;
Query OK, 0 rows affected (0.056 sec)
```

```
MariaDB [transaksi]> Syahru RF
```

```
MariaDB [transaksi]> START TRANSACTION;
Query OK, 0 rows affected (0.000 sec)
```

```
MariaDB [transaksi]> INSERT INTO user VALUES ('alfa');
Query OK, 1 row affected (0.002 sec)
```

```
MariaDB [transaksi]> INSERT INTO user VALUES ('bravo');
Query OK, 1 row affected (0.000 sec)
```

```
MariaDB [transaksi]> Syahru RF
```

```
MariaDB [transaksi]> SELECT * FROM user;
+-----+
| username |
+-----+
| alfa     |
| bravo    |
+-----+
2 rows in set (0.000 sec)
```

```
MariaDB [transaksi]> Syahru RF
```

```
MariaDB [transaksi]> ROLLBACK;
Query OK, 0 rows affected (0.006 sec)
```

```
MariaDB [transaksi]> SELECT * FROM user;
Empty set (0.000 sec)
```

```
MariaDB [transaksi]> Syahru RF
```

## Praktek 2

```
MariaDB [transaksi]> START TRANSACTION;
Query OK, 0 rows affected (0.000 sec)

MariaDB [transaksi]> INSERT INTO user VALUES ('alfa');
Query OK, 1 row affected (0.001 sec)

MariaDB [transaksi]> INSERT INTO user VALUES ('alfa');
ERROR 1062 (23000): Duplicate entry 'alfa' for key 'username'
MariaDB [transaksi]> ROLLBACK;
Query OK, 0 rows affected (0.006 sec)

MariaDB [transaksi]> SELECT * FROM user;
Empty set (0.000 sec)

MariaDB [transaksi]> Syahru RF
```

## Praktek 3

```
MariaDB [transaksi]> delimiter $
MariaDB [transaksi]> drop procedure if exists transaksi;
-> create procedure transaksi ()
-> begin
-> declare sql_error bool default 0;
-> declare exit handler for sqlexception
-> begin
-> set sql_error = 1;
-> end;
-> start transaction;
-> insert into user values ('nitro');
-> insert into user values ('zebra');
-> if sql_error = 0
-> then commit;
-> else
-> rollback;
-> end if;
-> end$
Query OK, 0 rows affected, 1 warning (2.683 sec)

Query OK, 0 rows affected (2.714 sec)

MariaDB [transaksi]> Syahru RF
```