

Kelompok 6 Kelas DA02

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PROJECT 2

TASK 1

1. Prepare your developed database on Project 1 : Building database
2. Create 2 users (users) of the database
 - CREATE USER 'admin'@'localhost' IDENTIFIED BY 'kel6';
 - CREATE USER 'ardiani'@'localhost' IDENTIFIED BY 'kel6';
3. Give full access rights to one user and certain access rights to other users
 - GRANT ALL ON *.* TO 'admin'@'localhost' WITH GRANT OPTION;
 - GRANT INSERT,UPDATE ON *.* TO 'abc_surveytes'@'localhost' IDENTIFIED BY 'kel6';
4. Display the user table along with access permissions
 - Display user 'admin'

```
MariaDB [(none)]> SELECT*FROM information_schema.user_privileges;
```

GRANTEE	TABLE_CATALOG	PRIVILEGE_TYPE	IS_GRANTTABLE
'admin'@'localhost'	def	SELECT	YES
'admin'@'localhost'	def	INSERT	YES
'admin'@'localhost'	def	UPDATE	YES
'admin'@'localhost'	def	DELETE	YES
'admin'@'localhost'	def	CREATE	YES
'admin'@'localhost'	def	DROP	YES
'admin'@'localhost'	def	RELOAD	YES
'admin'@'localhost'	def	SHUTDOWN	YES
'admin'@'localhost'	def	PROCESS	YES
'admin'@'localhost'	def	FILE	YES
'admin'@'localhost'	def	REFERENCES	YES
'admin'@'localhost'	def	INDEX	YES
'admin'@'localhost'	def	ALTER	YES
'admin'@'localhost'	def	SHOW DATABASES	YES
'admin'@'localhost'	def	SUPER	YES
'admin'@'localhost'	def	CREATE TEMPORARY TABLES	YES
'admin'@'localhost'	def	LOCK TABLES	YES
'admin'@'localhost'	def	EXECUTE	YES
'admin'@'localhost'	def	REPLICATION SLAVE	YES
'admin'@'localhost'	def	REPLICATION CLIENT	YES
'admin'@'localhost'	def	CREATE VIEW	YES
'admin'@'localhost'	def	SHOW VIEW	YES
'admin'@'localhost'	def	CREATE ROUTINE	YES
'admin'@'localhost'	def	ALTER ROUTINE	YES
'admin'@'localhost'	def	CREATE USER	YES
'admin'@'localhost'	def	EVENT	YES
'admin'@'localhost'	def	TRIGGER	YES
'admin'@'localhost'	def	CREATE TABLESPACE	YES
'admin'@'localhost'	def	DELETE HISTORY	YES

- Display user 'ardiani'

'ardiani'@'localhost'	def	INSERT	NO
'ardiani'@'localhost'	def	UPDATE	NO

5. Remove the permissions of one user
REVOKE INSERT ON *.* FROM 'ardiani'@'localhost';

TASK 2: BackUp And Recovery

1. Prepare your developed database on Project 1 : Building database
2. Make a backup database file that was created previously, using the MySQLdump method

```
Asus@DESKTOP-KTJLD86 c:\xampp
# mysqldump -u root -p abc_survey > abc_survey.sql
Enter password:
```

3. Delete existing tables in your database.

```
MariaDB [abc_survey]> drop table survey;
Query OK, 0 rows affected (0.311 sec)
```

```
MariaDB [abc_survey]> show tables;
+-----+
| Tables_in_abc_survey |
+-----+
| answer                |
| question              |
| responden             |
| user                  |
| user_access_menu      |
| user_menu             |
| user_role             |
| user_sub_menu         |
+-----+
8 rows in set (0.001 sec)
```

4. Perform recovery of your database files

```
Asus@DESKTOP-KTJLD86 c:\xampp
# mysql -u root -p abc_survey < abc_survey.sql
Enter password:
```

```

MariaDB [abc_survey]> show tables;
+-----+
| Tables_in_abc_survey |
+-----+
| answer                |
| question              |
| responden             |
| survey                |
| user                  |
| user_access_menu      |
| user_menu             |
| user_role             |
| user_sub_menu         |
+-----+
9 rows in set (0.001 sec)

```

TASK 3: Replication

1. Configure the PC Master for replication needs

Change here for bind listening

bind-address=0.0.0.0

Replication Master Server (default)

binary logging is required for replication

log-bin deactivated by default since XAMPP 1.4.11

log-bin=mysql-bin

binlog_do_db = abc_survey

required unique id between 1 and $2^{32} - 1$

defaults to 1 if master-host is not set

but will not function as a master if omitted

server-id =1

2. Configure the PC Slave for replication needs

; Replication Master Server (default)

; binary logging is required for replication

log-bin=mysql-bin.log

```
binlog_do_db = abc_survey
```

```
; required unique id between 1 and 2^32 - 1  
; defaults to 1 if master-host is not set  
; but will not function as a master if omitted  
server-id = 2
```

```
; Replication Slave (comment out master section to use this)  
replicate-do-db = abc_survey
```

3. Perform testing to determine the success of the replication process

Master

```
GRANT REPLICATION SLAVE ON *.* TO 'slavedatabase'@'%' IDENTIFIED BY 'SlavePassword';
```

```
FLUSH PRIVILEGES;
```

```
SHOW MASTER STATUS;
```

SLAVE

```
CREATE DATABASE abc_survey;
```

```
mysql -u root -p abc_survey < C:\Xampp\mysql\bin\abc_survey.sql
```

```
CHANGE MASTER TO MASTER_HOST='192.168.0.135',MASTER_USER='slavedatabase',  
MASTER_PASSWORD='SlavePassword', MASTER_LOG_FILE='mysql-bin.000003',  
MASTER_LOG_POS= 1601;
```

```
start slave;
```

```
show slave status\G
```

```
MariaDB [abc_survey]> select*from user_role;  
+-----+  
| id | role |  
+-----+  
| 1 | Admin |  
| 2 | Respon |  
+-----+  
2 rows in set (0.001 sec)  
  
MariaDB [abc_survey]> insert into user_role  
-> values  
-> ('Baru');  
ERROR 1136 (21501): Column count doesn't match value count at row 1  
MariaDB [abc_survey]> insert into user_role  
-> values  
-> (3,'Baru');  
Query OK, 1 row affected (0.042 sec)  
  
MariaDB [abc_survey]> .
```

```
mysql> use abc_survey;  
Database changed  
mysql> select*from user_role;  
+-----+  
| id | role |  
+-----+  
| 1 | Admin |  
| 2 | Respon |  
| 3 | Baru |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> .
```