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Kelas: IFBIL 14 A

1. KoneksikeMySQL.

Buka commandprompt, masuk kedirektori\AppServ\MySQL\bin, kemudian ketik:

mysql -u namauser -p (enter)

password : (ketikkan password) (enter)

```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\User>mysql -u root
'mysql' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\User>cd\

C:\>cd xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 410
Server version: 10.1.9-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

2. Diskoneksi DariMySQL untuk diskoneksi, ketik: QUIT ata \q

```
C:\windows\system32\cmd.exe

(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\User>mysql -u root
'mysql' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\User>cd\

C:\>cd xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 410
Server version: 10.1.9-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> SELECT VERSION(), CURRENT DATE;
ERROR 1054 (42S22): Unknown column 'CURRENT' in 'field list'
MariaDB [(none)]> QUIT;
Bye

C:\xampp\mysql\bin>
```

3. Ketik perintah berikut :
SELECT VERSION(), CURRENT_DATE;

```
C:\Windows\system32\cmd.exe - mysql -u root

:\>cd xampp\mysql\bin

:\xampp\mysql\bin>mysql -u root
ERROR 2003 (HY000): Can't connect to MySQL server on 'localhost' (10061 "Unknown
error")

:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 10.1.9-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> SELECT VERSION(), CURRENT_DATE;
+-----+-----+
| VERSION() | CURRENT_DATE |
+-----+-----+
| 10.1.9-MariaDB | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)

MariaDB [(none)]>
```

4. Ketik Perintah diatas (no.3):
 - a.dengan huruf kecil semua
 - b.dengan huruf besar dan kecil

a.

```
C:\Windows\system32\cmd.exe - mysql -u root

Server version: 10.1.9-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> SELECT VERSION(), CURRENT_DATE;
+-----+-----+
| VERSION() | CURRENT_DATE |
+-----+-----+
| 10.1.9-MariaDB | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)

MariaDB [(none)]> select version(), current date;
ERROR 1054 (42S22): Unknown column 'current' in 'field list'
MariaDB [(none)]> select version(), current_date;
+-----+-----+
| version() | current_date |
+-----+-----+
| 10.1.9-MariaDB | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)

MariaDB [(none)]>
```

b.

```
C:\Windows\system32\cmd.exe - mysql -u root

+-----+-----+
| VERSION() | CURRENT_DATE |
+-----+-----+
| 10.1.9-MariaDB | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)

MariaDB [(none)]> select version(), current date;
ERROR 1054 (42S22): Unknown column 'current' in 'field list'
MariaDB [(none)]> select version(), current_date;
+-----+-----+
| version() | current_date |
+-----+-----+
| 10.1.9-MariaDB | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)

MariaDB [(none)]> Select Version(), Current_DATE;
+-----+-----+
| Version() | Current_DATE |
+-----+-----+
| 10.1.9-MariaDB | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)

MariaDB [(none)]>
```

5. Ketik perintah berikut:
SELECT SIN (PI/4), (4+1)*5;

```

C:\Windows\system32\cmd.exe - mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.1.9-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> SELECT SIN(PI)/4), (4+1)*5;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near ')', (
4+1)*5' at line 1
MariaDB [(none)]> select sin(PI)/4), (4+1)*5;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near ')', (
4+1)*5' at line 1
MariaDB [(none)]> select sin(PI)/4), (4+1)*5;
+-----+-----+
| sin(PI)/4) | (4+1)*5 |
+-----+-----+
| 0.7071067811865475 | 25 |
+-----+-----+
1 row in set (0.00 sec)
MariaDB [(none)]>

```

6. Ketik perintah berikut:
SELECT VERSION(); SELECT NOW();

```

C:\Windows\system32\cmd.exe - mysql -u root
MariaDB [(none)]> SELECT VERSION(), SELECT NOW();
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'SEL
ECT NOW()' at line 1
MariaDB [(none)]> SELECT VERSION(), SELECT NOW();
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'SEL
ECT NOW()' at line 1
MariaDB [(none)]> SELECT VERSION(); SELECT NOW();
+-----+
| VERSION() |
+-----+
| 10.1.9-MariaDB |
+-----+
1 row in set (0.00 sec)

+-----+
| NOW() |
+-----+
| 2016-02-03 21:44:59 |
+-----+
1 row in set (0.00 sec)
MariaDB [(none)]>

```

7. Ketik perintah berikut:
Mysql> SELECT
->USER()
->,
->CURRENT_DATE;

```

C:\Windows\system32\cmd.exe - mysql -u root
+-----+
| 10.1.9-MariaDB |
+-----+
1 row in set (0.00 sec)

+-----+
| NOW() |
+-----+
| 2016-02-03 21:44:59 |
+-----+
1 row in set (0.00 sec)
MariaDB [(none)]> SELECT
->USER()
-> ,
->CURRENT_DATE;
+-----+-----+
| USER() | CURRENT_DATE |
+-----+-----+
| root@localhost | 2016-02-03 |
+-----+-----+
1 row in set (0.00 sec)
MariaDB [(none)]>

```

8. Ketik Perintah berikut:
Mysql > SELECT
->USER()
->\c;

```
C:\Windows\system32\cmd.exe - mysql -u root
-> ;
+-----+
| USER() |
+-----+
| root@localhost |
+-----+
1 row in set (0.00 sec)

MariaDB [(none)]> ;
ERROR: No query specified

MariaDB [(none)]> SELECT
-> USER()
-> \G;;
mysql: Character set ';;' is not a compiled character set and is not specified in the 'C:\MariaDB10.1\share\charsets\Index.xml' file
Charset is not found
+-----+
| USER() |
+-----+
| root@localhost |
+-----+
1 row in set (0.00 sec)

MariaDB [(none)]>
```

9. Ketik perintah berikut:
Mysql> SELECT USER ()
Apa yang terjadi?
Kemudian ketik:
->;
Apa yang terjadi?

```
C:\Windows\system32\cmd.exe - mysql -u root
ERROR: No query specified

MariaDB [(none)]> SELECT
-> USER()
-> \G;;
mysql: Character set ';;' is not a compiled character set and is not specified in the 'C:\MariaDB10.1\share\charsets\Index.xml' file
Charset is not found
+-----+
| USER() |
+-----+
| root@localhost |
+-----+
1 row in set (0.00 sec)

MariaDB [(none)]> SELECT USER ()
-> ;
+-----+
| USER () |
+-----+
| root@localhost |
+-----+
1 row in set (0.00 sec)

MariaDB [(none)]>
```

10. Ketikan perintah berikut:
Mysql> SHOW DATABASES;

```
C:\Windows\system32\cmd.exe - mysql -u root
MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| advanced |
| angga    |
| basic    |
| db       |
| db1      |
| db_code2 |
| db_codeigniter |
| gd       |
| information_schema |
| mbaanna  |
| mysql    |
| performance_schema |
| phpmyadmin |
| toto     |
| trynotprimary |
| warungdb |
| warungkoedb |
+-----+
17 rows in set (0.00 sec)

MariaDB [(none)]>
```

11. Ketikan perintah berikut:
Mysql > USE test

```
C:\Windows\system32\cmd.exe - mysql -u root

+-----+
| db_code2 |
| db_codeigniter |
| gd       |
| information_schema |
| mbaanna  |
| mysql    |
| performance_schema |
| phpmyadmin |
| toto     |
| trynotprimary |
| warungdb |
| warungkoedb |
+-----+
17 rows in set (0.00 sec)

MariaDB [(none)]> USE test;
ERROR 1049 (42000): Unknown database 'test'
MariaDB [(none)]> use angga;
Database changed
MariaDB [anggal]> create database test;
Query OK, 1 row affected (0.00 sec)

MariaDB [anggal]> USE test;
Database changed
MariaDB [test]>
```

12. Ketik perintah berikut:
Mysql> USE coba

```
C:\Windows\system32\cmd.exe - mysql -u root

+-----+
| phpmyadmin |
| toto       |
| trynotprimary |
| warungdb   |
| warungkoedb |
+-----+
17 rows in set (0.00 sec)

MariaDB [(none)]> USE test;
ERROR 1049 (42000): Unknown database 'test'
MariaDB [(none)]> use angga;
Database changed
MariaDB [anggal]> create database test;
Query OK, 1 row affected (0.00 sec)

MariaDB [anggal]> USE test;
Database changed
MariaDB [test]> use coba;
ERROR 1049 (42000): Unknown database 'coba'
MariaDB [test]> create database coba;
Query OK, 1 row affected (0.00 sec)

MariaDB [test]> use coba;
Database changed
MariaDB [coba]>
```

13. Ketikan perintah berikut:
Mysql > CREATE DATABASE coba;

```
C:\Windows\system32\cmd.exe - mysql -u root

+-----+
| warungkoedb |
+-----+
17 rows in set (0.00 sec)

MariaDB [(none)]> USE test;
ERROR 1049 (42000): Unknown database 'test'
MariaDB [(none)]> use angga;
Database changed
MariaDB [anggal]> create database test;
Query OK, 1 row affected (0.00 sec)

MariaDB [anggal]> USE test;
Database changed
MariaDB [test]> use coba;
ERROR 1049 (42000): Unknown database 'coba'
MariaDB [test]> create database coba;
Query OK, 1 row affected (0.00 sec)

MariaDB [test]> use coba;
Database changed
MariaDB [coba]> create database coba;
ERROR 1007 (HY000): Can't create database 'coba'; database exists
MariaDB [coba]> create database coba;
ERROR 1007 (HY000): Can't create database 'coba'; database exists
MariaDB [coba]>
```

14. Ketik perintah berikut:
Mysql> CREATE TABLE buku CHAR (kodebuku(5) PRIMARY KEY not null,
->judul VARCHAR (25) NOT NULL, pengarang VARCHAR (20),
->penerbit VARCHAR (15), kategori VARCHAR (15));

```

C:\Windows\system32\cmd.exe - mysql -u root
MariaDB [coba] > create database coba;
ERROR 1007 (HY000): Can't create database 'coba'; database exists
MariaDB [coba] > create table buku < buku char ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near '' a
t line 1
MariaDB [coba] > create table buku < kode buku char <5> primary key not null,
-> judul varchar <25> not null, pengarang varchar <20>,
-> penerbit varchar <15>, kategori varchar <15>;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'buk
u char <5> primary key not null,
judul varchar <25> not null, pengarang varch' at line 1
MariaDB [coba] > create table buku < kodebuku char <5> primary key not null, judu
l varchar <25> NOT NULL, pengarang vrachar<20>, penerbit varchar <15>, kategori
varchar<15>;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'vra
char<20>, penerbit varchar <15>, kategori varchar<15>)' at line 1
MariaDB [coba] > create table buku < kodebuku char <5> primary key not null, judu
l varchar <25> not null, pengarang varchar<20>, penerbit varchar <15>, kategori
varchar<15>;
Query OK, 0 rows affected (0.28 sec)
MariaDB [coba] >

```

14. Ketik perintah berikut :

Mysql > desc buku;

```

C:\Windows\system32\cmd.exe - mysql -u root

+----+-----+-----+-----+-----+
| kodebuku | char(5) | NO | PRI | NULL |
| judul | varchar(25) | NO | | NULL |
| pengarang | varchar(20) | YES | | NULL |
| penerbit | varchar(15) | YES | | NULL |
| kategori | varchar(15) | YES | | NULL |
+----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [coba] > select * from buku;
Empty set (0.00 sec)

MariaDB [coba] > desc buku;

+----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+
| kodebuku | char(5) | NO | PRI | NULL |
| judul | varchar(25) | NO | | NULL |
| pengarang | varchar(20) | YES | | NULL |
| penerbit | varchar(15) | YES | | NULL |
| kategori | varchar(15) | YES | | NULL |
+----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [coba] >

```

Evaluasi dan Pertanyaan

1. Tulis semua perintah-perintah SQL percobaan di atas beserta outputnya !
Jawab:
Sudah dilampirkan di atas.
2. Perintah apa yang digunakan untuk masuk ke MySQL yang tidak mempunyai password?
Mysql -u root
3. Apakah perintah-perintah di MySQL bersifat case sensitif?
Menurut dari sejauh ini tidak karena case sensitive adalah bagaimana code yang dibaca harus sesuai dengan pengecekan huruf besar dan kecil.