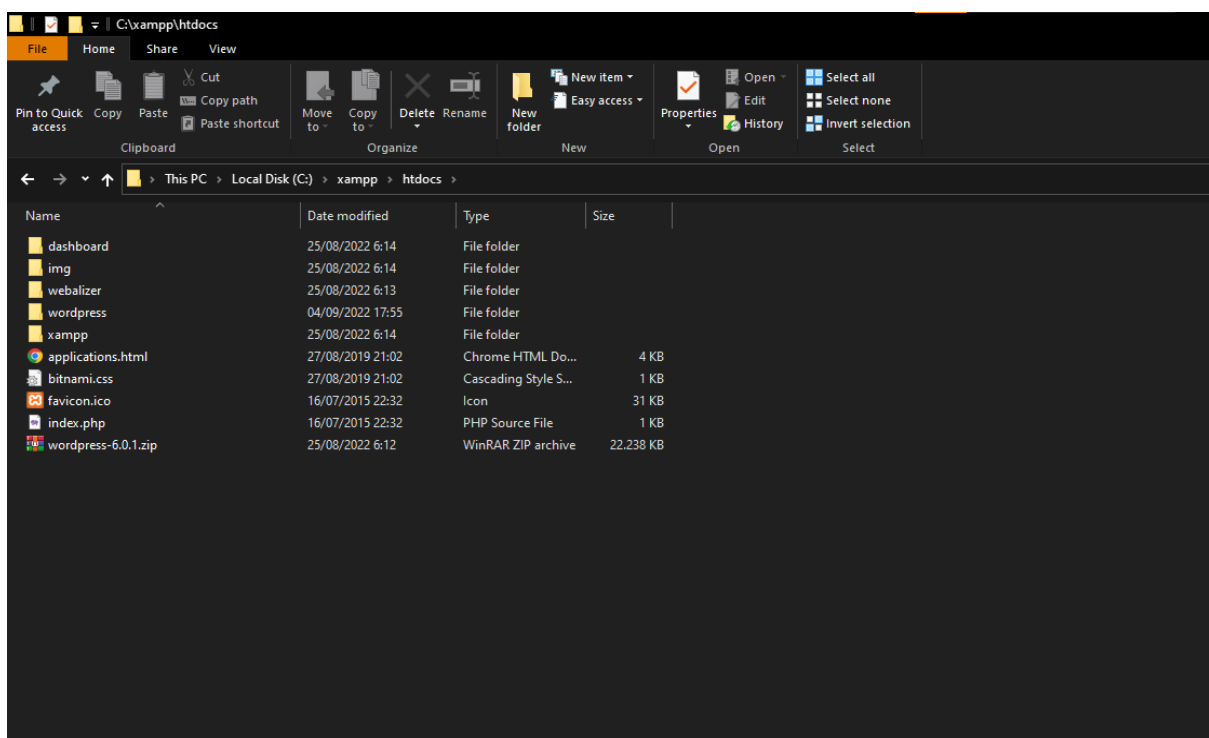
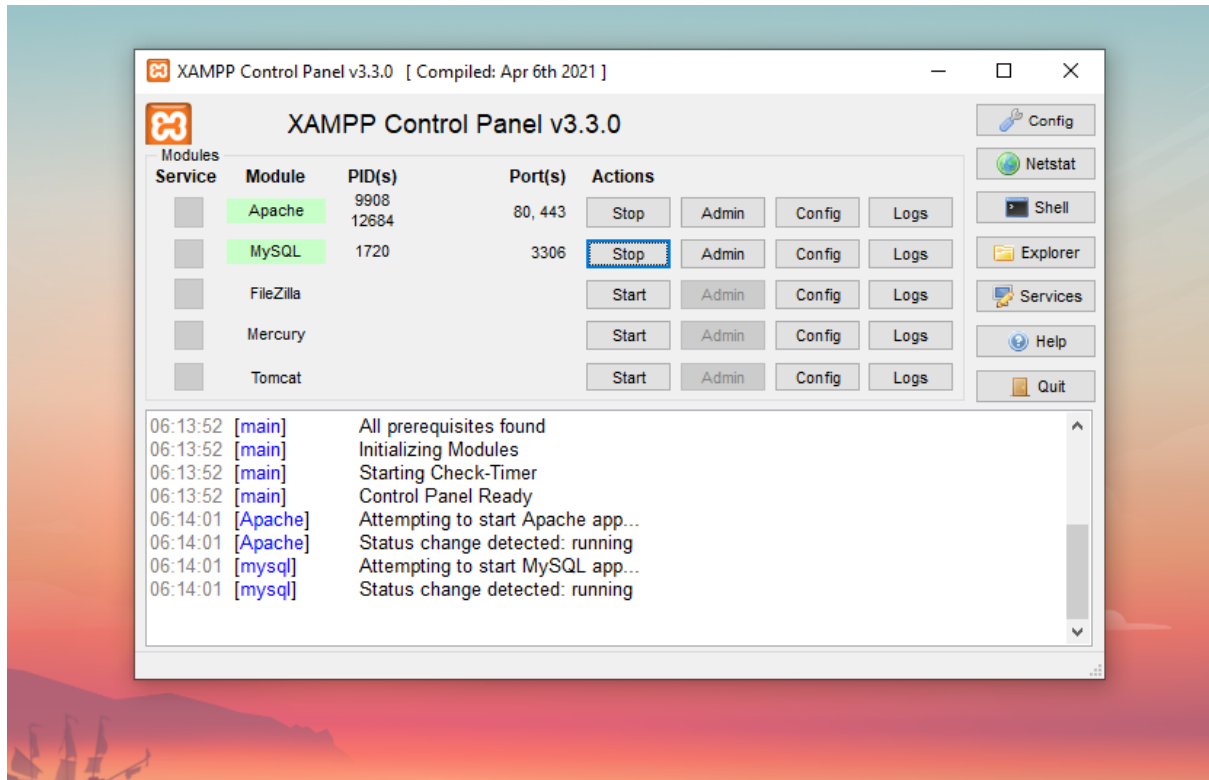


Nama : Fatih Rizky Darmawan

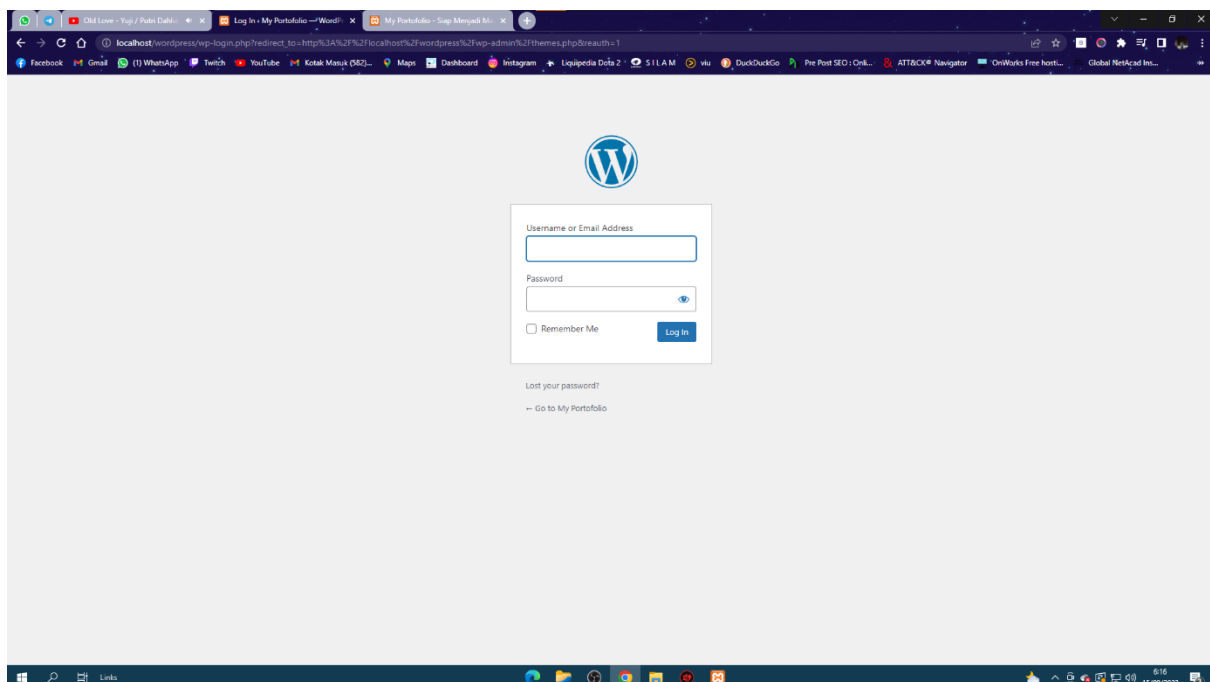
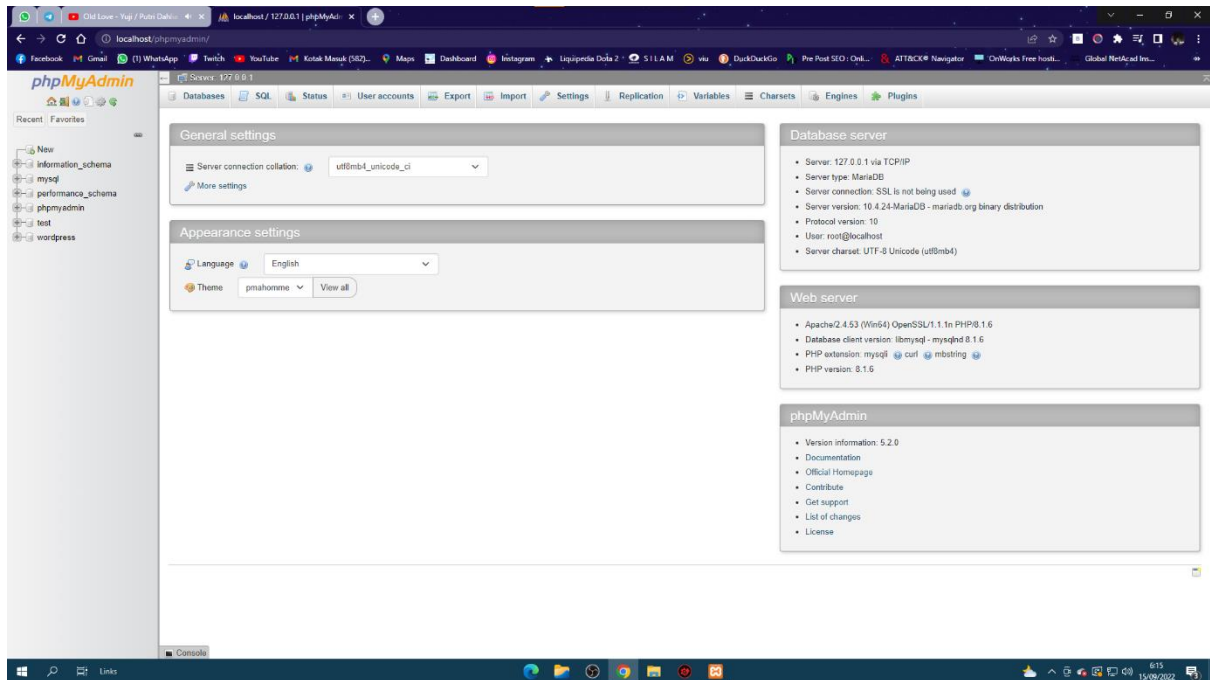
Kelas : RKS Pagi 3A

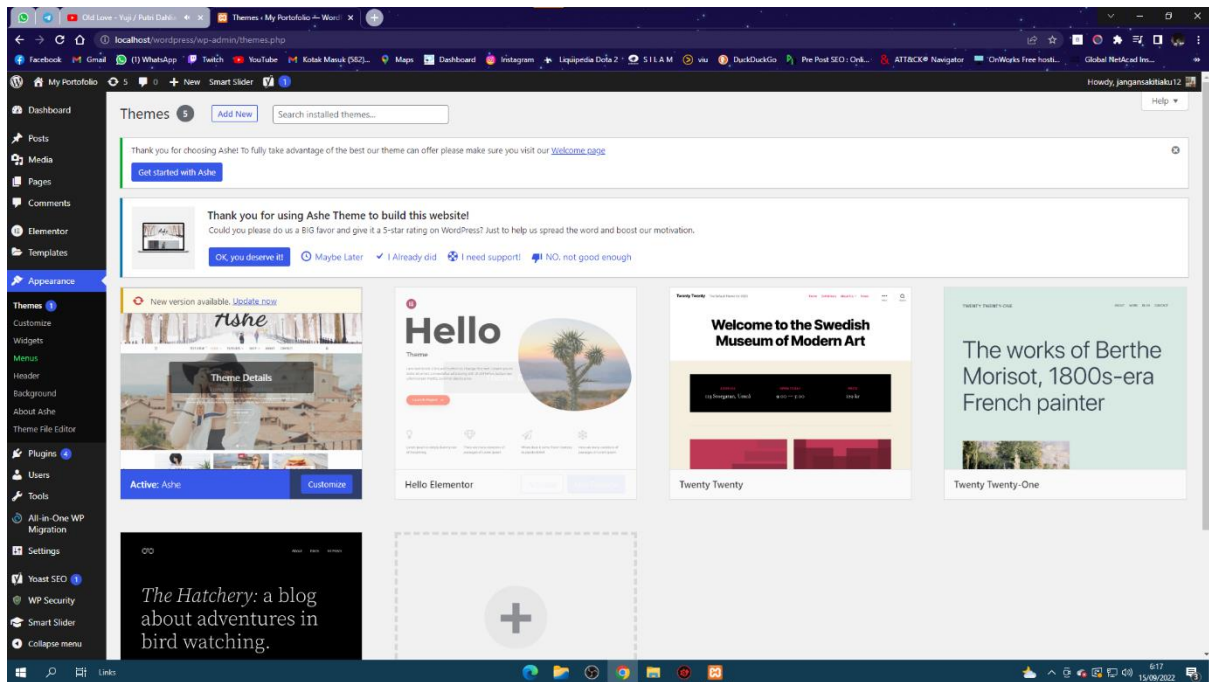
Matkul : keamanan Basis Data

1. Masuk ke xampp dan buka file xampp masuk ke htdocs untuk copy file wordpress



- Setelah memasukkan file ke htdoc kemudia ketik di laman pencarian dengan keyword : localhost/phpmyadmin. Setelah itu buat database denagn nama file yang anda copy di htdoc, kemudian untuk menginstall wordpress silakan ketikkan : localhost/wordpress (nama_file yang anda copy di htdoc)





3. Install 2 ubuntu di 2 virtual machine berbeda untuk membuat server dan web server

- Setelah install silakan lakukan : `sudo apt update`
- Dan check IP nya menggunakan : `ip a`
- Setelah itu install mysql dengan cara : `sudo apt install mysql-server`
- Setelah selesai install restart dengan cara : `sudo systemctl start mysql.service`
- Setelah itu masuk ke konfigurasi database dengan cara : `$ sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf`

```

faith@ubuntu: ~
GNU nano 4.8 /etc/mysql/mysql.conf.d/mysqld.cnf
# * Basic Settings
#
user                 = mysql
# pid-file           = /var/run/mysqld/mysqld.pid
# socket             = /var/run/mysqld/mysqld.sock
# port               = 3306
# datadir            = /var/lib/mysql

# If MySQL is running as a replication slave, this should be
# changed. Ref https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.
# tmpdir             = /tmp

# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
bind-address         = 192.168.79.132
mysqlx-bind-address  = 127.0.0.1
#
# * Fine Tuning
#

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Paste Text ^T To Spell  ^_ Go To Line

```

- Setelah itu ganti bind address nya dengan ip server

- Restart kembali dengan : `$ sudo systemctl restart mysql`
- Setelah itu masuk ke mysql dengan cara : `sudo mysql`

Terus create database dengan cara :

`CREATE USER 'username'@'ip web server' IDENTIFIED BY 'password';`

`GRANT ALL PRIVILEGES ON *.* TO 'username'@'ip web server';`

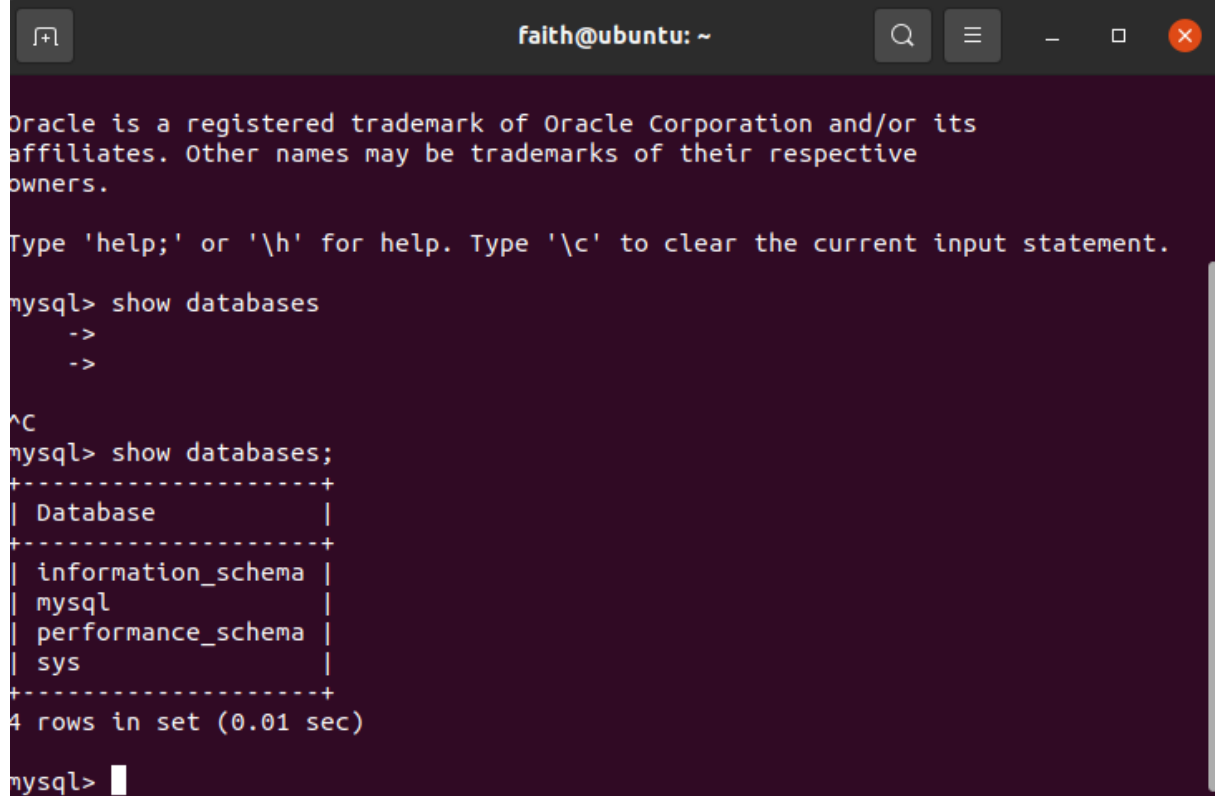
`FLUSH PRIVILEGES;`

```
mysql> CREATE USER 'userweb'@'192.168.111.2' IDENTIFIED BY 'userweb';
Query OK, 0 rows affected (0.03 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'userweb'@'192.168.111.2';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql> 
```



The screenshot shows a terminal window with the title 'faith@ubuntu: ~'. The MySQL command prompt is active, and the user has entered the command 'show databases'. The output shows four databases: 'information_schema', 'mysql', 'performance_schema', and 'sys'. The prompt is now ready for the next command.

```
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

mysql> show databases
->
->

^C
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.01 sec)

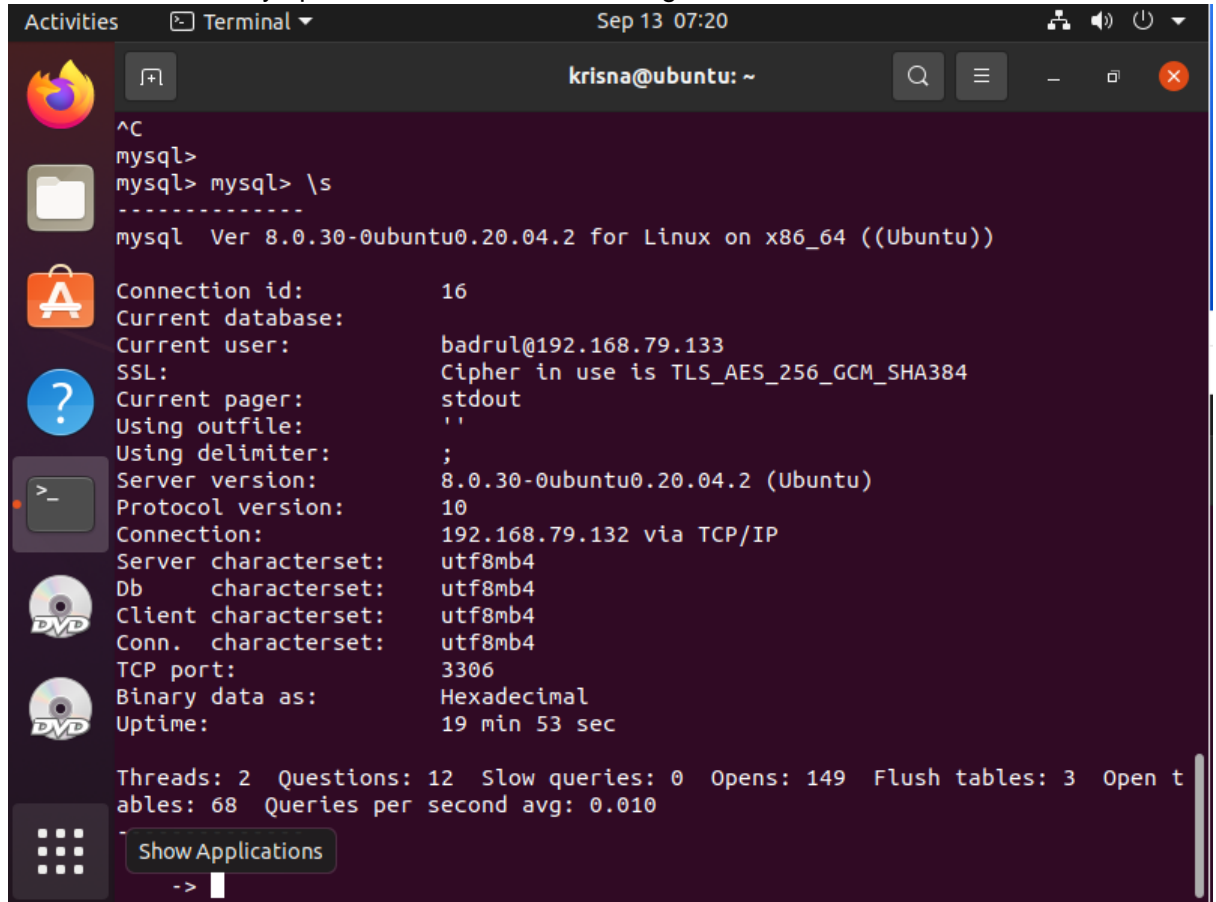
mysql> 
```

- Setelah itu install apache2 dengan dengan cara : `sudo apt install apache2`

4. Konfigurasi webserver

- Pertama install mysql : `sudo apt install mysql-client`
- Setelah install masuk ke akun database yang sudah di buat dengan cara : `mysql -u badrul -h 192.168.79.133 -p`
- Masukkan password yang di buat tadi

- Setelah masuk ke mysql cek informasi database dengan : \s



```

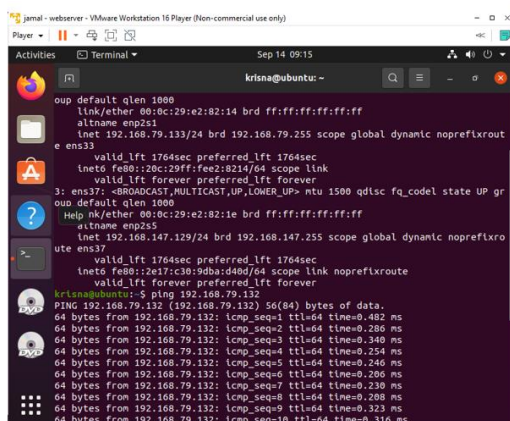
^C
mysql>
mysql> mysql> \s
-----
mysql Ver 8.0.30-0ubuntu0.20.04.2 for Linux on x86_64 ((Ubuntu))

Connection id:          16
Current database:
Current user:           badrul@192.168.79.133
SSL:                    Cipher in use is TLS_AES_256_GCM_SHA384
Current pager:          stdout
Using outfile:           ''
Using delimiter:         ;
Server version:          8.0.30-0ubuntu0.20.04.2 (Ubuntu)
Protocol version:        10
Connection:              192.168.79.132 via TCP/IP
Server characterset:     utf8mb4
Db      characterset:     utf8mb4
Client characterset:     utf8mb4
Conn.  characterset:     utf8mb4
TCP port:                3306
Binary data as:          Hexadecimal
Uptime:                  19 min 53 sec

Threads: 2  Questions: 12  Slow queries: 0  Opens: 149  Flush tables: 3  Open t
ables: 68  Queries per second avg: 0.010

Show Applications
->

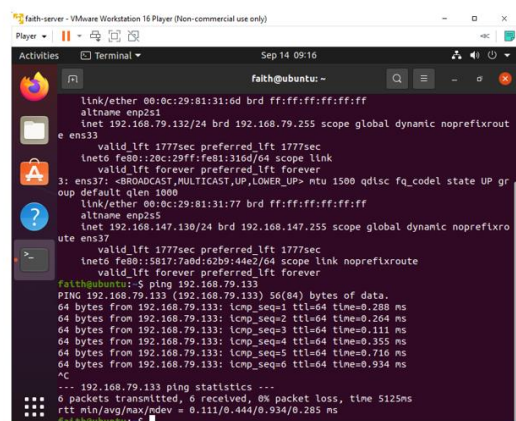
```



```

krisna@ubuntu:~$ ifconfig
ens33: flags=4099<UP,BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gr
oup default qlen 1000
    link/ether 08:0c:29:e2:82:1e brd ff:ff:ff:ff:ff:ff
    inet 192.168.79.132/24 brd 192.168.79.255 scope global dynamic noprefixroute
        valid_lft 1764sec preferred_lft 1764sec
    inet6 fe80::20c:29ff:fe2:8214/64 scope link
        valid_lft forever preferred_lft forever
3: ens37: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gr
oup default qlen 1000
    link/ether 08:0c:29:e2:82:1e brd ff:ff:ff:ff:ff:ff
    inet 192.168.147.129/24 brd 192.168.147.255 scope global dynamic noprefixro
ute ens37
        valid_lft 1764sec preferred_lft 1764sec
    inet6 fe80::2e17:c30:9da:d40d/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
krisna@ubuntu:~$ ping 192.168.79.132
PING 192.168.79.132 (192.168.79.132) 56(84) bytes of data:
64 bytes from 192.168.79.132: icmp_seq=1 ttl=64 time=0.482 ms
64 bytes from 192.168.79.132: icmp_seq=2 ttl=64 time=0.280 ms
64 bytes from 192.168.79.132: icmp_seq=3 ttl=64 time=0.340 ms
64 bytes from 192.168.79.132: icmp_seq=4 ttl=64 time=0.254 ms
64 bytes from 192.168.79.132: icmp_seq=5 ttl=64 time=0.240 ms
64 bytes from 192.168.79.132: icmp_seq=6 ttl=64 time=0.206 ms
64 bytes from 192.168.79.132: icmp_seq=7 ttl=64 time=0.230 ms
64 bytes from 192.168.79.132: icmp_seq=8 ttl=64 time=0.208 ms
64 bytes from 192.168.79.132: icmp_seq=9 ttl=64 time=0.323 ms
64 bytes from 192.168.79.132: icmp_seq=10 ttl=64 time=0.316 ms

```



```

faith@ubuntu:~$ ifconfig
ens33: flags=4099<UP,BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gr
oup default qlen 1000
    link/ether 08:0c:29:81:31:6d brd ff:ff:ff:ff:ff:ff
    inet 192.168.79.132/24 brd 192.168.79.255 scope global dynamic noprefixrout
e ens33
        valid_lft 1777sec preferred_lft 1777sec
    inet6 fe80::20c:29ff:fe81:316d/64 scope link
        valid_lft forever preferred_lft forever
3: ens37: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gr
oup default qlen 1000
    link/ether 08:0c:29:81:31:77 brd ff:ff:ff:ff:ff:ff
    inet 192.168.147.130/24 brd 192.168.147.255 scope global dynamic noprefixro
ute ens37
        valid_lft 1777sec preferred_lft 1777sec
    inet6 fe80::5d17:7a8d:c2b9:44e2/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
faith@ubuntu:~$ ping 192.168.79.133
PING 192.168.79.133 (192.168.79.133) 56(84) bytes of data:
64 bytes from 192.168.79.133: icmp_seq=1 ttl=64 time=0.288 ms
64 bytes from 192.168.79.133: icmp_seq=2 ttl=64 time=0.264 ms
64 bytes from 192.168.79.133: icmp_seq=3 ttl=64 time=0.111 ms
64 bytes from 192.168.79.133: icmp_seq=4 ttl=64 time=0.355 ms
64 bytes from 192.168.79.133: icmp_seq=5 ttl=64 time=0.716 ms
64 bytes from 192.168.79.133: icmp_seq=6 ttl=64 time=0.934 ms
... 192.168.79.133 ping statistics ...
6 packets transmitted, 6 received, 0% packet loss, time 5125ms
rtt min/avg/max/mdev = 0.111/0.444/0.934/0.285 ms
faith@ubuntu:~$

```

5. Penggunaan union dan select di mysql

- Select perintah SELECT ialah perintah dasar SQL yang ialah bagian dari tipe sintaks DML. Perintah SELECT ialah perintah dasar SQL yang digunakan buat menunjukkan serta memilah informasi dari

database.

phpMyAdmin

Recent

Favorites

New

information_schema

mysql

performance_schema

phpmyadmin

test

wordpress

Type in filter text, Enter

New

wp_aloovps_debug_log

wp_aloovps_events

wp_aloovps_failed_logins

wp_aloovps_global_meta

wp_aloovps_login_activity

wp_aloovps_login_lockdown

wp_aloovps_permanent_hl

wp_commentmeta

wp_comments

wp_s_events

wp_links

wp_nextend2_image_store

wp_nextend2_section_store

wp_nextend2_smartslider2

wp_nextend2_smartslider2

wp_nextend2_smartslider2

wp_options

wp_postmeta

wp_posts

wp_termmeta

wp_terms

wp_term_relationships

wp_term_taxonomy

wp_usermeta

wp_users

Server: 127.0.0.1 x WordPress x localhost:wp_posts

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Tracking

Triggers

Show query box

Showing rows 0 - 24 (115 total. Query took 0.0004 seconds)

SELECT id, post_title, post_date FROM wp_posts;

Profiling

Edit inline

Edit

Explain SQL

Create PHP code

Refresh

1

>

>>

Show all

Number of rows: 25

Filter rows:

Search this table

Sort by key: None

Extra options

			id	post_title	post_date		
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	1	Orang Hubat	2022-08-26 01:54:23
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	2	Sample Page	2022-08-26 01:54:23
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	3	Privacy Policy	2022-08-26 01:54:23
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	5	Default Kit	2022-08-26 01:56:10
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	6	Custom Styles	2022-08-26 01:56:28
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	7	my profile	2022-08-26 01:57:07
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	8	my profile	2022-08-26 01:57:07
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	9	my profile	2022-08-26 01:59:47
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	10	my profile	2022-08-26 01:59:47
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	11	my profile	2022-08-26 01:59:47
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	13	Custom Styles	2022-08-29 02:51:14
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	16	Custom Styles	2022-08-29 03:03:09
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	17	my profile	2022-08-29 03:03:44
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	18	my profile	2022-08-29 03:03:45
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	19	my profile	2022-08-29 03:03:45
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	20	Fatih Ricky Darmawan	2022-08-29 03:21:17
<input type="checkbox"/>	Edit	<input type="checkbox"/>	Copy	Delete	21	IMG_20220122_034839_629	2022-08-29 03:06:14

Console

- Union Fungsi UNION pada SQL digunakan untuk menggabungkan dua tabel dalam bentuk baris baru ke bawah dimana field yang di-SELECT antara tabel satu dan lainnya adalah harus sama.

→ ↻ ↺