

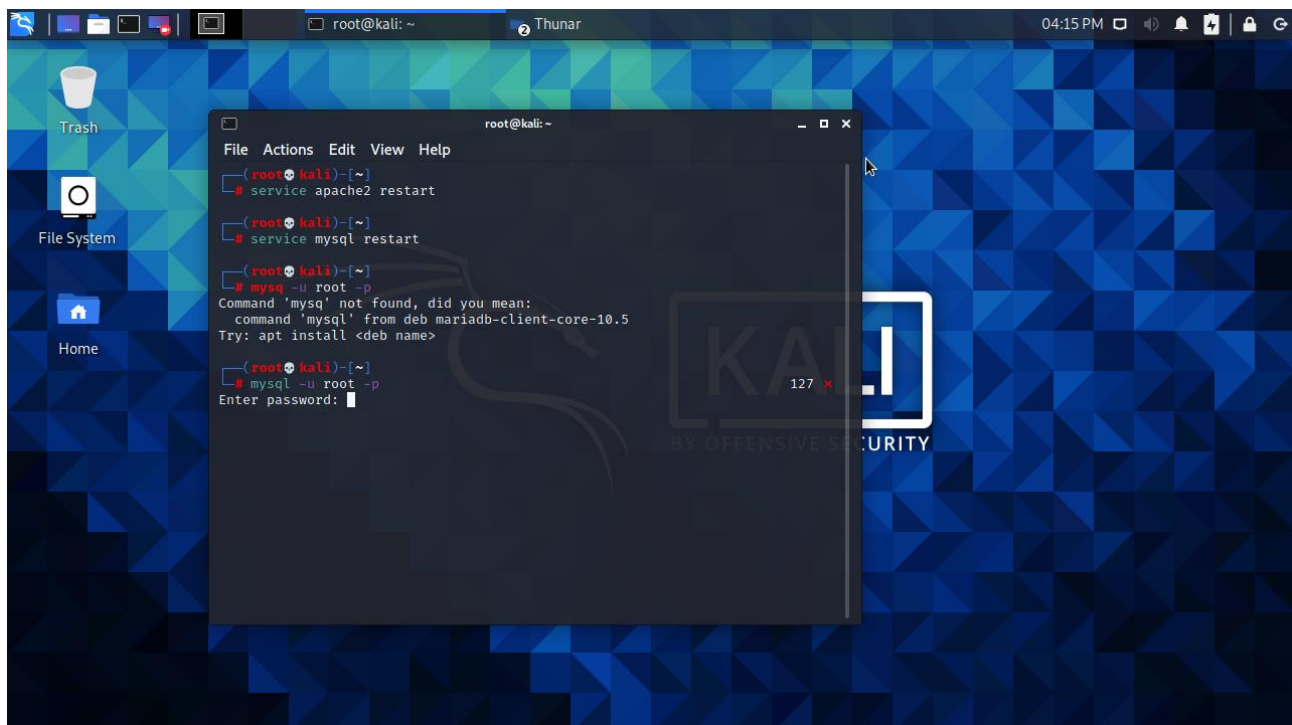
What is DVWA?

- **DVWA** is a PHP/MySQL web application, whose main goal is to be an aid for security professionals to test their skills and tools in a legal environment.

How can we setup DVWA?

- Firstly, we download DVWA.zip in own website.
- We extract to zip on desktop.
- After that we moved to kali file system folder, and we moved var folder on file system folder. Also we went to var to www folder and after that we moved DVWA folder to html.
- We edit to DVWA config folder. This editing about login to service codes.

This screenshot is about how can login to DVWA on localhost.



- service apache2 restart
- service mysql restart

Why use this codes?

- Because this codes is started apache2 and mysql service. If we didn't use this codes ,we can't create DVWA on localhost.

```
(root@kali)~# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 30
Server version: 10.5.8-MariaDB-3 Debian builddd-unstable

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create user dvwa1;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> grant all on dvwa1.* to dvwa1@localhost identified by 'ddos';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> flush privileges;
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 '
privileges' at line 1
MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> GRANT ALL ON dvwa1.* to 'dvwa1'@'%';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]>
```

This screenshot is about to opening mysql server and create DVWA

Why did we open mysql server?

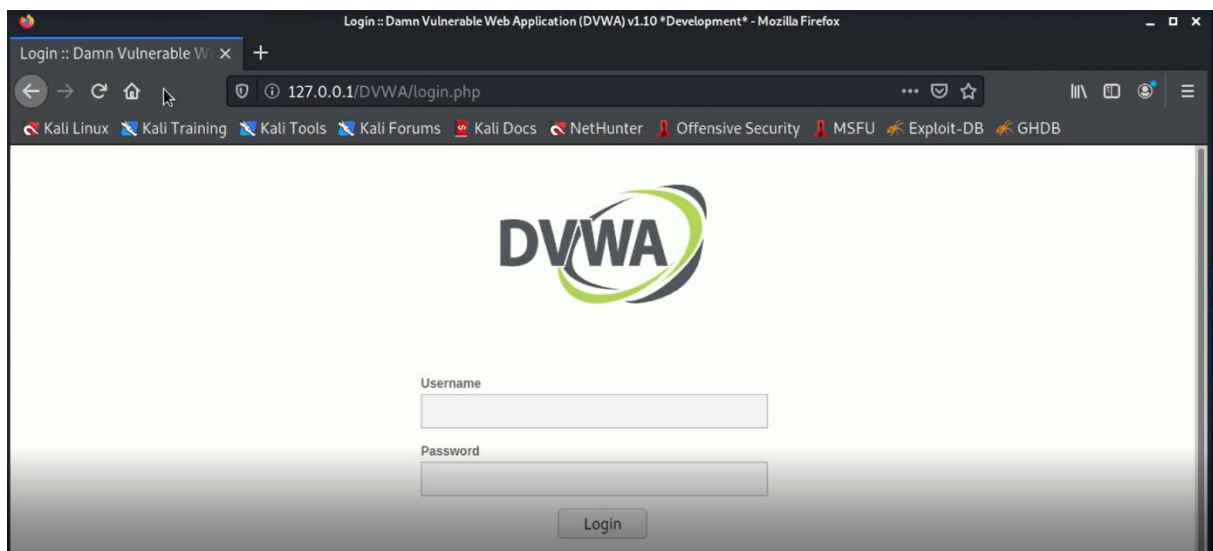
- Because we create DVWA databases on localhost.

How did we create DVWA on localhost?

- Firstly we use code that **create user dvwa1;** , because we edit config folder according to this user.
- We use code that **grant all on dwa1. * dvwa@localhost identied by 'ddos';**
- After that we use **code flush privileges;**

After that those process;

We open browser, and we write localhost id after that we open localhost and DVWA.



What is hping3?

- hping3 is a network tool able to send custom TCP/IP packets and to display target replies like ping program does with ICMP replies. hping3 handle fragmentation, arbitrary packets body and size and can be used in order to transfer files encapsulated under supported protocols.

What is hping3 Synopsis?

```
hping3 [ -hvnqVDzZ012WrfxykQbFSRPAUXYjJBuTG ] [ -c count ] [ -i wait ] [ --fast ] [ -I interface ] [ -9 signature ] [ -a host ] [ -t tll ] [ -N ip id ] [ -H ip protocol ] [ -g fragoff ] [ -m mtu ] [ -o tos ] [ -C icmp type ] [ -K icmp code ] [ -s source port ] [ -p[+][+] dest port ] [ -w tcp window ] [ -O tcp offset ] [ -M tcp sequence number ] [ -L tcp ack ] [ -d data size ] [ -E filename ] [ -e signature ] [ --icmp-ipver version ] [ --icmp-iphlen length ] [ --icmp-iplen length ] [ --icmp-ipid id ] [ --icmp-ipproto protocol ] [ --icmp-cksum checksum ] [ --icmp-ts ] [ --icmp-addr ] [ --tcpexitcode ] [ --tcp-timestamp ] [ --tr-stop ] [ --tr-keep-ttl ] [ --tr-no-rtt ] [ --rand-dest ] [ --rand-source ] [ --beep ] hostname
```