

Индивидуальный проект 2 этап

Установка DVWA

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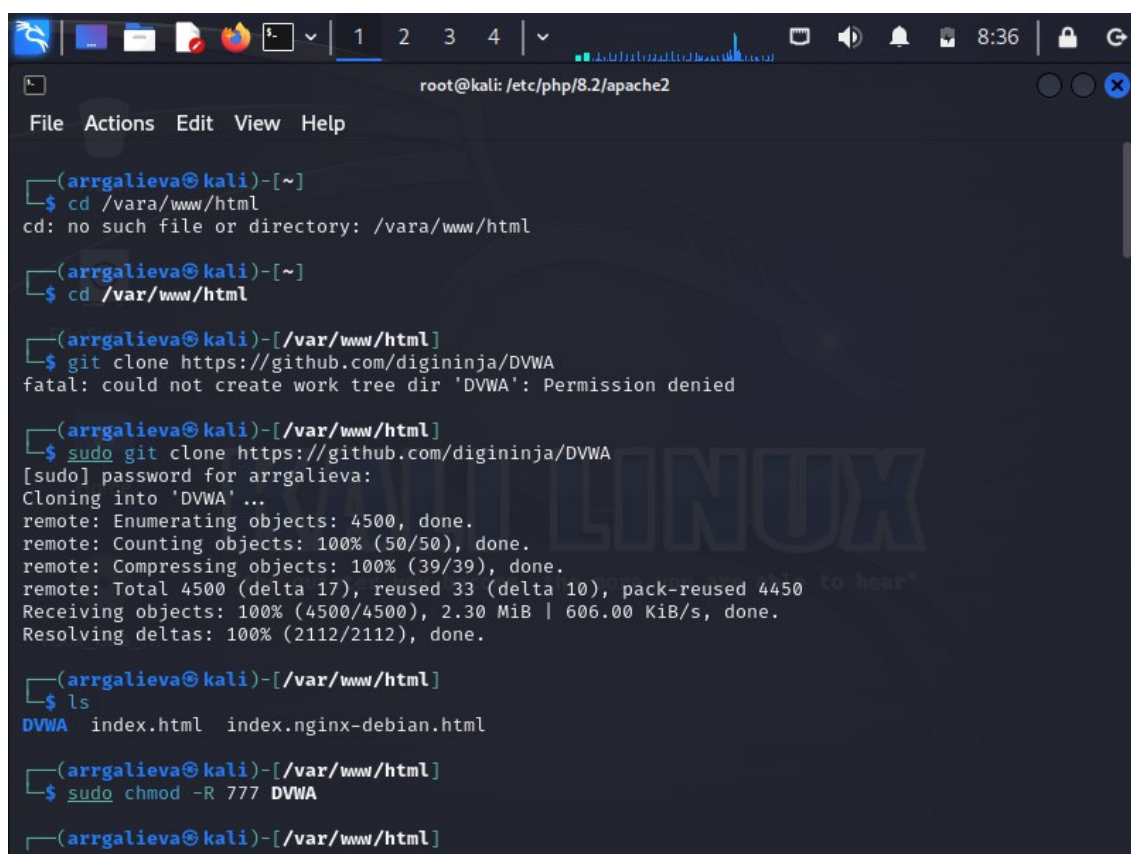
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1 Цель работы

Установить DVWA в гостевую систему к Kali Linux.

2 Выполнение лабораторной работы

1. Устанавливаем DVWA при помощи различных команд и данного нам репозитория.



```
root@kali: /etc/php/8.2/apache2
File Actions Edit View Help

(arrgalieva@kali)-[~]
$ cd /vara/www/html
cd: no such file or directory: /vara/www/html

(arrgalieva@kali)-[~]
$ cd /var/www/html

(arrgalieva@kali)-[/var/www/html]
$ git clone https://github.com/digininja/DVWA
fatal: could not create work tree dir 'DVWA': Permission denied

(arrgalieva@kali)-[/var/www/html]
$ sudo git clone https://github.com/digininja/DVWA
[sudo] password for arrgalieva:
Cloning into 'DVWA'...
remote: Enumerating objects: 4500, done.
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (39/39), done.
remote: Total 4500 (delta 17), reused 33 (delta 10), pack-reused 4450
Receiving objects: 100% (4500/4500), 2.30 MiB | 606.00 KiB/s, done.
Resolving deltas: 100% (2112/2112), done.

(arrgalieva@kali)-[/var/www/html]
$ ls
DVWA index.html index.nginx-debian.html

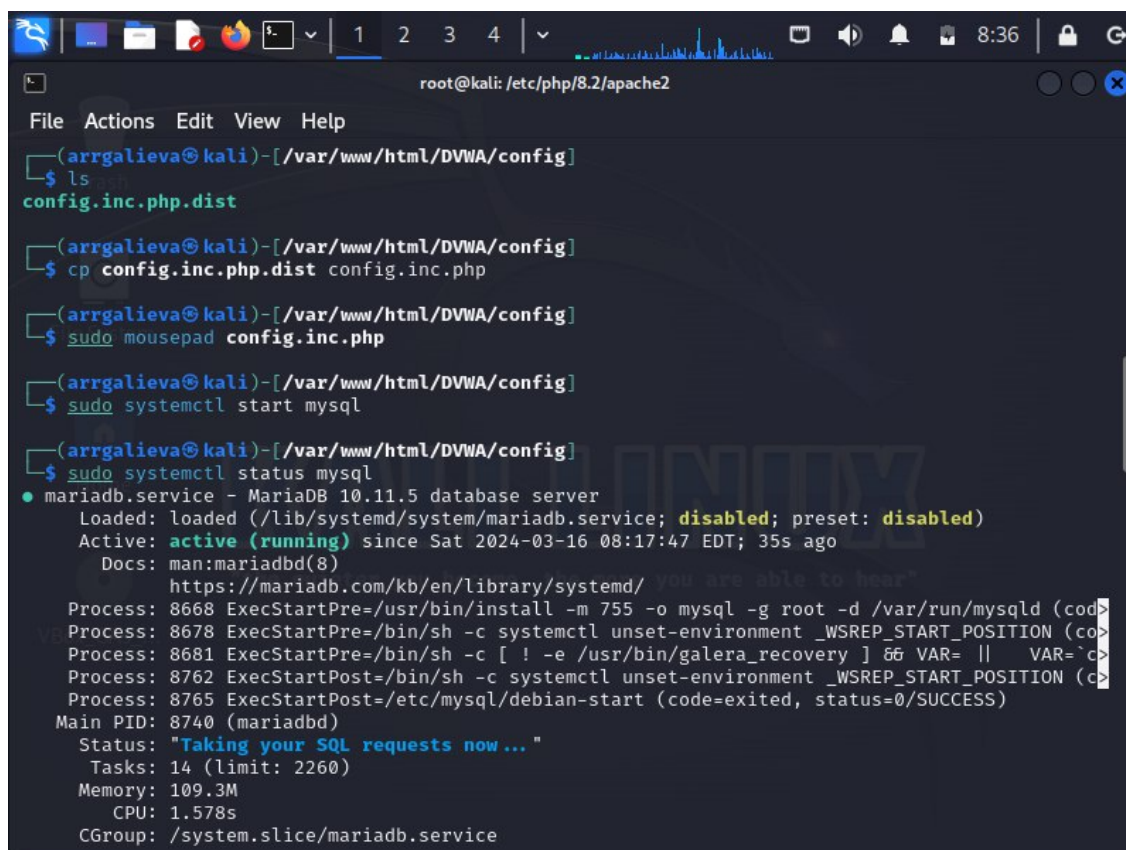
(arrgalieva@kali)-[/var/www/html]
$ sudo chmod -R 777 DVWA

(arrgalieva@kali)-[/var/www/html]
```

Рис. 2.1: Прописываем команды

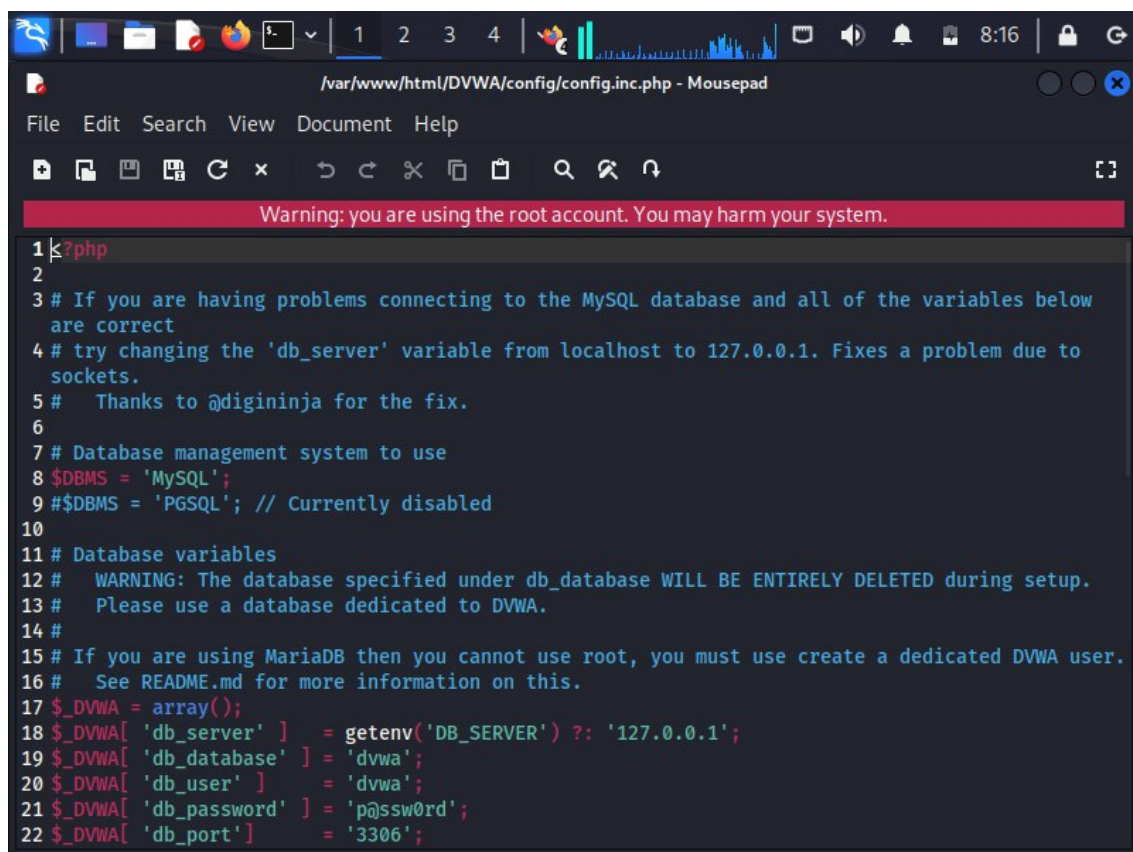
```
root@kali: /etc/php/8.2/apache2
File Actions Edit View Help
(arrgalieva@kali)-[/var/www/html]
$ sudo chmod -R 777 DVWA
(arrgalieva@kali)-[/var/www/html]
$ ls
Could not find command-not-found database. Run 'sudo apt update' to populate it.
LS: command not found
(arrgalieva@kali)-[/var/www/html]
$ ls
DVWA index.html index.nginx-debian.html
(arrgalieva@kali)-[/var/www/html]
$ cd DVWA
(arrgalieva@kali)-[/var/www/html/DVWA]
$ ls
CHANGELOG.md  README.id.md  compose.yml  hackable  robots.txt
COPYING.txt  README.md     config       index.php  security.php
Dockerfile    README.pt.md  database     instructions.php  security.txt
README.ar.md  README.tr.md  docs        login.php   setup.php
README.es.md  README.zh.md  dywa        logout.php  tests
README.fa.md  SECURITY.md   external    php.ini     vulnerabilities
README.fr.md  about.php    favicon.ico  phpinfo.php
(arrgalieva@kali)-[/var/www/html/DVWA]
$ cd config
(arrgalieva@kali)-[/var/www/html/DVWA/config]
$ ls
```

Рис. 2.2: Прописываем команды



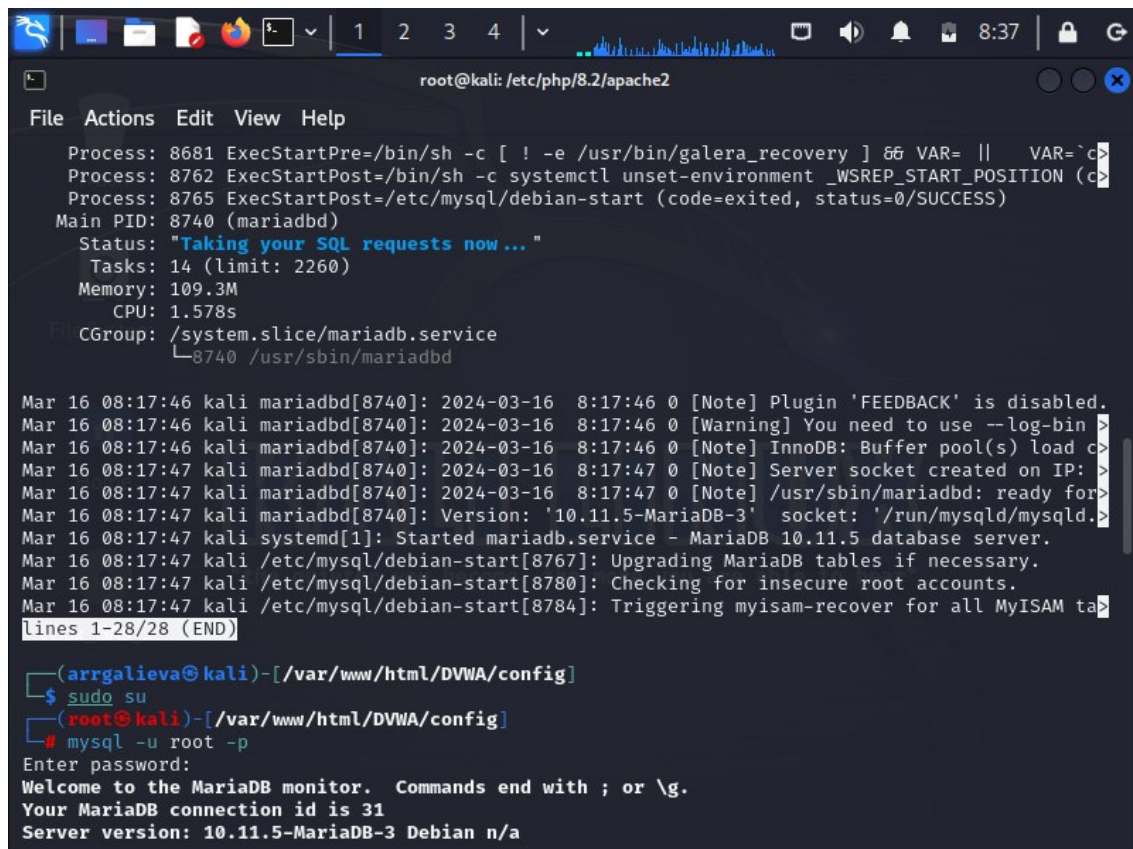
```
root@kali: /etc/php/8.2/apache2
File Actions Edit View Help
(arrgalieva@kali)-[/var/www/html/DVWA/config]
$ ls
config.inc.php.dist
(arrgalieva@kali)-[/var/www/html/DVWA/config]
$ cp config.inc.php.dist config.inc.php
(arrgalieva@kali)-[/var/www/html/DVWA/config]
$ sudo mousepad config.inc.php
(arrgalieva@kali)-[/var/www/html/DVWA/config]
$ sudo systemctl start mysql
(arrgalieva@kali)-[/var/www/html/DVWA/config]
$ sudo systemctl status mysql
● mariadb.service - MariaDB 10.11.5 database server
   Loaded: loaded (/lib/systemd/system/mariadb.service; disabled; preset: disabled)
   Active: active (running) since Sat 2024-03-16 08:17:47 EDT; 35s ago
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/
   Process: 8668 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysqld (code=0)
   Process: 8678 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=0)
   Process: 8681 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= || VAR=`c
   Process: 8762 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=0)
   Process: 8765 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
 Main PID: 8740 (mariabdd)
   Status: "Taking your SQL requests now..."
    Tasks: 14 (limit: 2260)
  Memory: 109.3M
    CPU: 1.578s
   CGroup: /system.slice/mariadb.service
```

Рис. 2.3: Прописываем команды



```
1 k?php
2
3 # If you are having problems connecting to the MySQL database and all of the variables below
  are correct
4 # try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due to
  sockets.
5 # Thanks to @digininja for the fix.
6
7 # Database management system to use
8 $DBMS = 'MySQL';
9 # $DBMS = 'PGSQL'; // Currently disabled
10
11 # Database variables
12 # WARNING: The database specified under db_database WILL BE ENTIRELY DELETED during setup.
13 # Please use a database dedicated to DVWA.
14 #
15 # If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA user.
16 # See README.md for more information on this.
17 $_DVWA = array();
18 $_DVWA[ 'db_server' ] = getenv('DB_SERVER') ? '127.0.0.1';
19 $_DVWA[ 'db_database' ] = 'dvwa';
20 $_DVWA[ 'db_user' ] = 'dvwa';
21 $_DVWA[ 'db_password' ] = 'p@ssw0rd';
22 $_DVWA[ 'db_port' ] = '3306';
```

Рис. 2.4: Прописываем команды

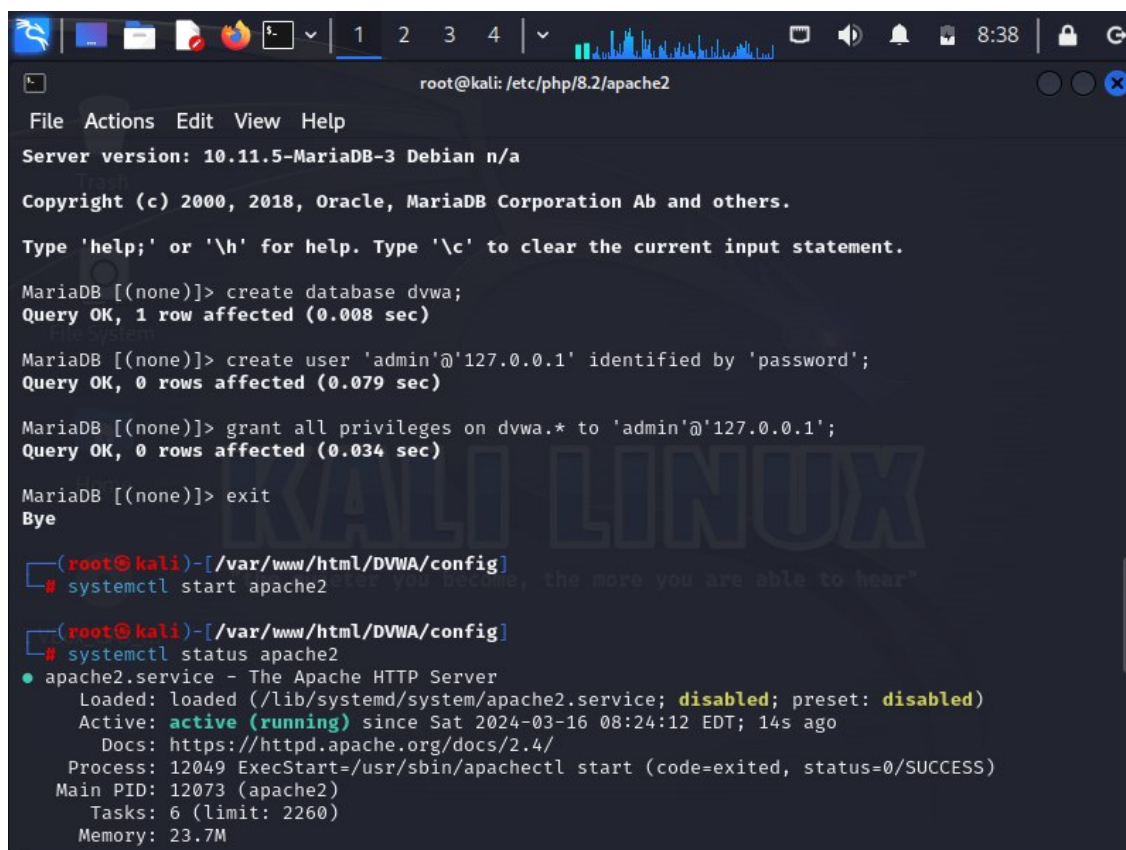


```
root@kali: /etc/php/8.2/apache2
File Actions Edit View Help
Process: 8681 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= || VAR=`c>
Process: 8762 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (c>
Process: 8765 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
Main PID: 8740 (mariadb)
Status: "Taking your SQL requests now..."
Tasks: 14 (limit: 2260)
Memory: 109.3M
CPU: 1.578s
CGroup: /system.slice/mariadb.service
└─8740 /usr/sbin/mariadb

Mar 16 08:17:46 kali mariadb[8740]: 2024-03-16 8:17:46 0 [Note] Plugin 'FEEDBACK' is disabled.
Mar 16 08:17:46 kali mariadb[8740]: 2024-03-16 8:17:46 0 [Warning] You need to use --log-bin
Mar 16 08:17:46 kali mariadb[8740]: 2024-03-16 8:17:46 0 [Note] InnoDB: Buffer pool(s) load c>
Mar 16 08:17:47 kali mariadb[8740]: 2024-03-16 8:17:47 0 [Note] Server socket created on IP: >
Mar 16 08:17:47 kali mariadb[8740]: 2024-03-16 8:17:47 0 [Note] /usr/sbin/mariadb: ready for>
Mar 16 08:17:47 kali mariadb[8740]: Version: '10.11.5-MariaDB-3' socket: '/run/mysqld/mysqld.>
Mar 16 08:17:47 kali systemd[1]: Started mariadb.service - MariaDB 10.11.5 database server.
Mar 16 08:17:47 kali /etc/mysql/debian-start[8767]: Upgrading MariaDB tables if necessary.
Mar 16 08:17:47 kali /etc/mysql/debian-start[8780]: Checking for insecure root accounts.
Mar 16 08:17:47 kali /etc/mysql/debian-start[8784]: Triggering myisam-recover for all MyISAM ta>
lines 1-28/28 (END)

(arrrgalieva@kali)-[/var/www/html/DVWA/config]
$ sudo su
(root@kali)-[/var/www/html/DVWA/config]
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.11.5-MariaDB-3 Debian n/a
```

Рис. 2.5: Прописываем команды



The screenshot shows a Kali Linux terminal window with the title bar 'root@kali: /etc/php/8.2/apache2'. The terminal content is as follows:

```
File Actions Edit View Help
Server version: 10.11.5-MariaDB-3 Debian n/a

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 database dvwa;
Query OK, 1 row affected (0.008 sec)

MariaDB [(none)]> create user 'admin'@'127.0.0.1' identified by 'password';
Query OK, 0 rows affected (0.079 sec)

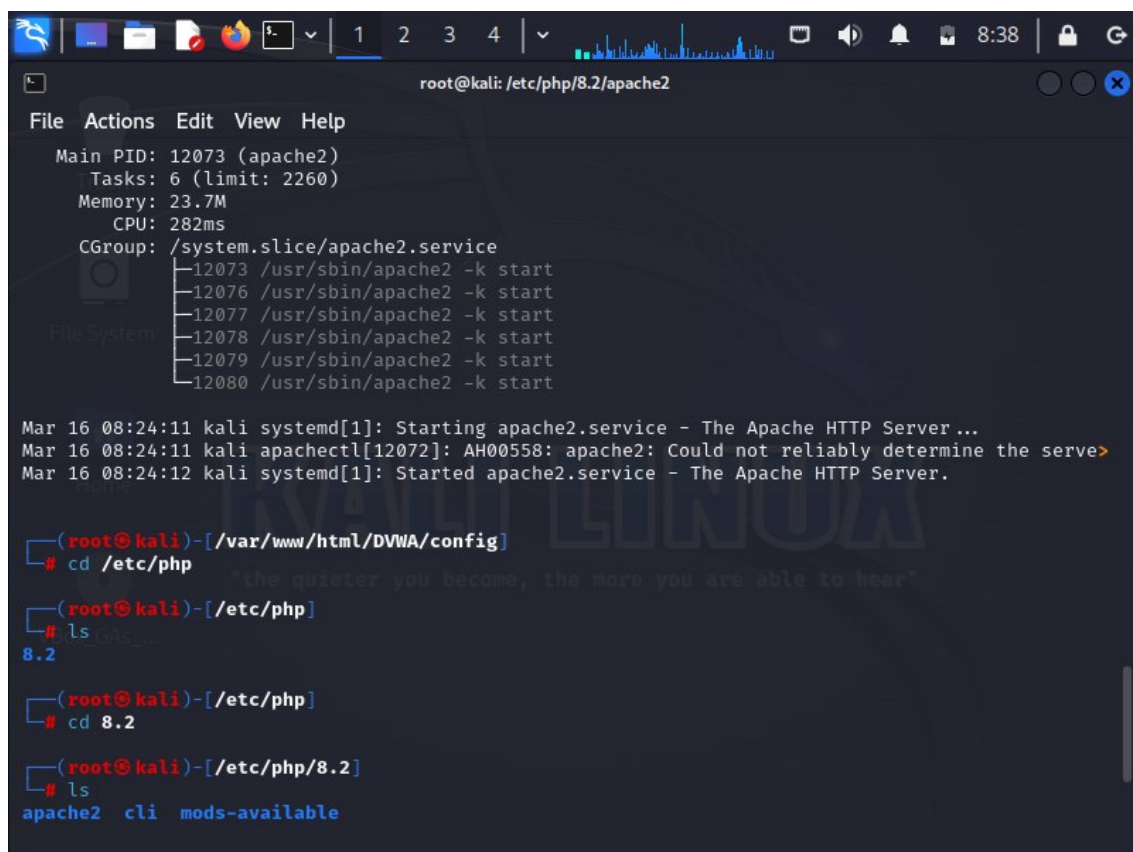
MariaDB [(none)]> grant all privileges on dvwa.* to 'admin'@'127.0.0.1';
Query OK, 0 rows affected (0.034 sec)

MariaDB [(none)]> exit
Bye

(root@kali)-[/var/www/html/DVWA/config]
# systemctl start apache2

(root@kali)-[/var/www/html/DVWA/config]
# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; disabled; preset: disabled)
   Active: active (running) since Sat 2024-03-16 08:24:12 EDT; 14s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 12049 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 12073 (apache2)
     Tasks: 6 (limit: 2260)
    Memory: 23.7M
```

Рис. 2.6: Прописываем команды

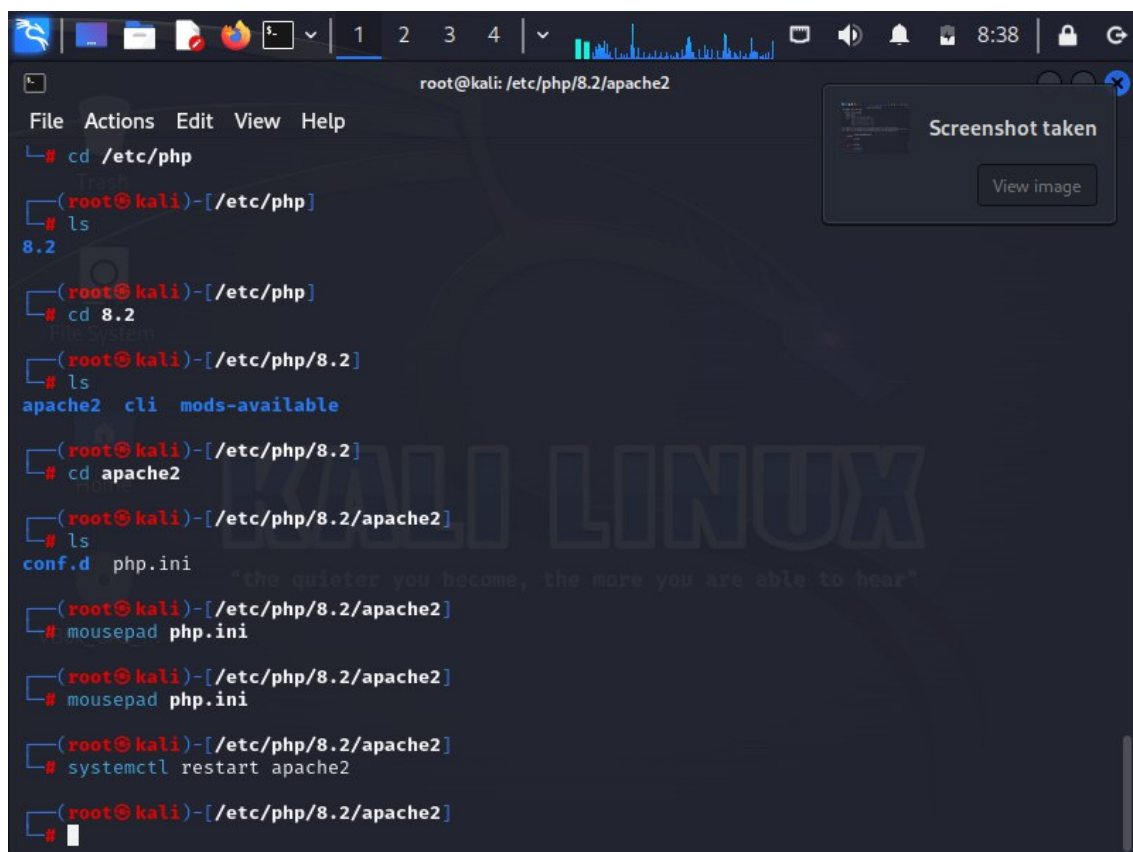


```
root@kali: /etc/php/8.2/apache2
File Actions Edit View Help
Main PID: 12073 (apache2)
Tasks: 6 (limit: 2260)
Memory: 23.7M
CPU: 282ms
CGroup: /system.slice/apache2.service
├─12073 /usr/sbin/apache2 -k start
├─12076 /usr/sbin/apache2 -k start
├─12077 /usr/sbin/apache2 -k start
├─12078 /usr/sbin/apache2 -k start
├─12079 /usr/sbin/apache2 -k start
└─12080 /usr/sbin/apache2 -k start

Mar 16 08:24:11 kali systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 16 08:24:11 kali apachectl[12072]: AH00558: apache2: Could not reliably determine the serve>
Mar 16 08:24:12 kali systemd[1]: Started apache2.service - The Apache HTTP Server.

(root@kali)-[/var/www/html/DVWA/config]
# cd /etc/php
the quieter you become, the more you are able to hear
(root@kali)-[/etc/php]
# ls
8.2
(root@kali)-[/etc/php]
# cd 8.2
(root@kali)-[/etc/php/8.2]
# ls
apache2  cli  mods-available
```

Рис. 2.7: Прописываем команды



```
root@kali: /etc/php/8.2/apache2
File Actions Edit View Help
# cd /etc/php
(root@kali)-[/etc/php]
# ls
8.2
(root@kali)-[/etc/php]
# cd 8.2
(root@kali)-[/etc/php/8.2]
# ls
apache2 cli mods-available
(root@kali)-[/etc/php/8.2]
# cd apache2
(root@kali)-[/etc/php/8.2/apache2]
# ls
conf.d php.ini
"the quieter you become, the more you are able to hear"
(root@kali)-[/etc/php/8.2/apache2]
# mousepad php.ini
(root@kali)-[/etc/php/8.2/apache2]
# mousepad php.ini
(root@kali)-[/etc/php/8.2/apache2]
# systemctl restart apache2
(root@kali)-[/etc/php/8.2/apache2]
#
```

Рис. 2.8: Прописываем команды

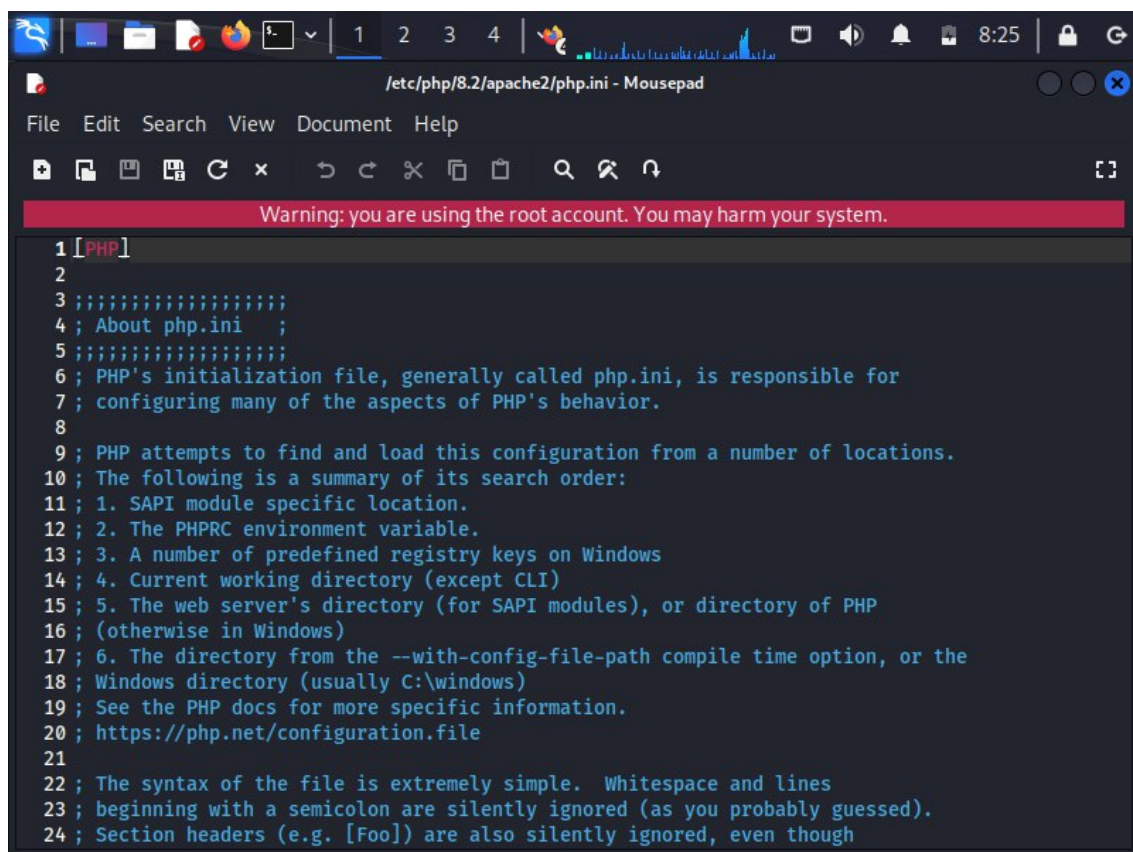


Рис. 2.9: Прописываем команды

```
root@kali: /var/www/html/DVWA/config
File Actions Edit View Help
Query OK, 0 rows affected (0.034 sec)
MariaDB [(none)]> exit
Bye

(root@kali)-[/var/www/html/DVWA/config]
# systemctl start apache2
# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; disabled; preset: disabled)
   Active: active (running) since Sat 2024-03-16 08:24:12 EDT; 14s ago
     Docs: https://httpd.apache.org/docs/2.4/
  Process: 12049 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 12073 (apache2)
      Tasks: 6 (limit: 2260)
     Memory: 23.7M
        CPU: 282ms
    CGroup: /system.slice/apache2.service
           └─12073 /usr/sbin/apache2 -k start
           └─12076 /usr/sbin/apache2 -k start
           └─12077 /usr/sbin/apache2 -k start
           └─12078 /usr/sbin/apache2 -k start
           └─12079 /usr/sbin/apache2 -k start
           └─12080 /usr/sbin/apache2 -k start

Mar 16 08:24:11 kali systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 16 08:24:11 kali apachectl[12072]: AH00558: apache2: Could not reliably determine the serve
Mar 16 08:24:12 kali systemd[1]: Started apache2.service - The Apache HTTP Server.
lines 1-20/20 (END)
```

Рис. 2.10: Прописываем команды

3 Выводы

В ходе выполнения данного этапа я установила DVWA в гостевую систему к Kali Linux.