

# Презентация к 2 этапу индивидуального проекта

---

## Цель работы

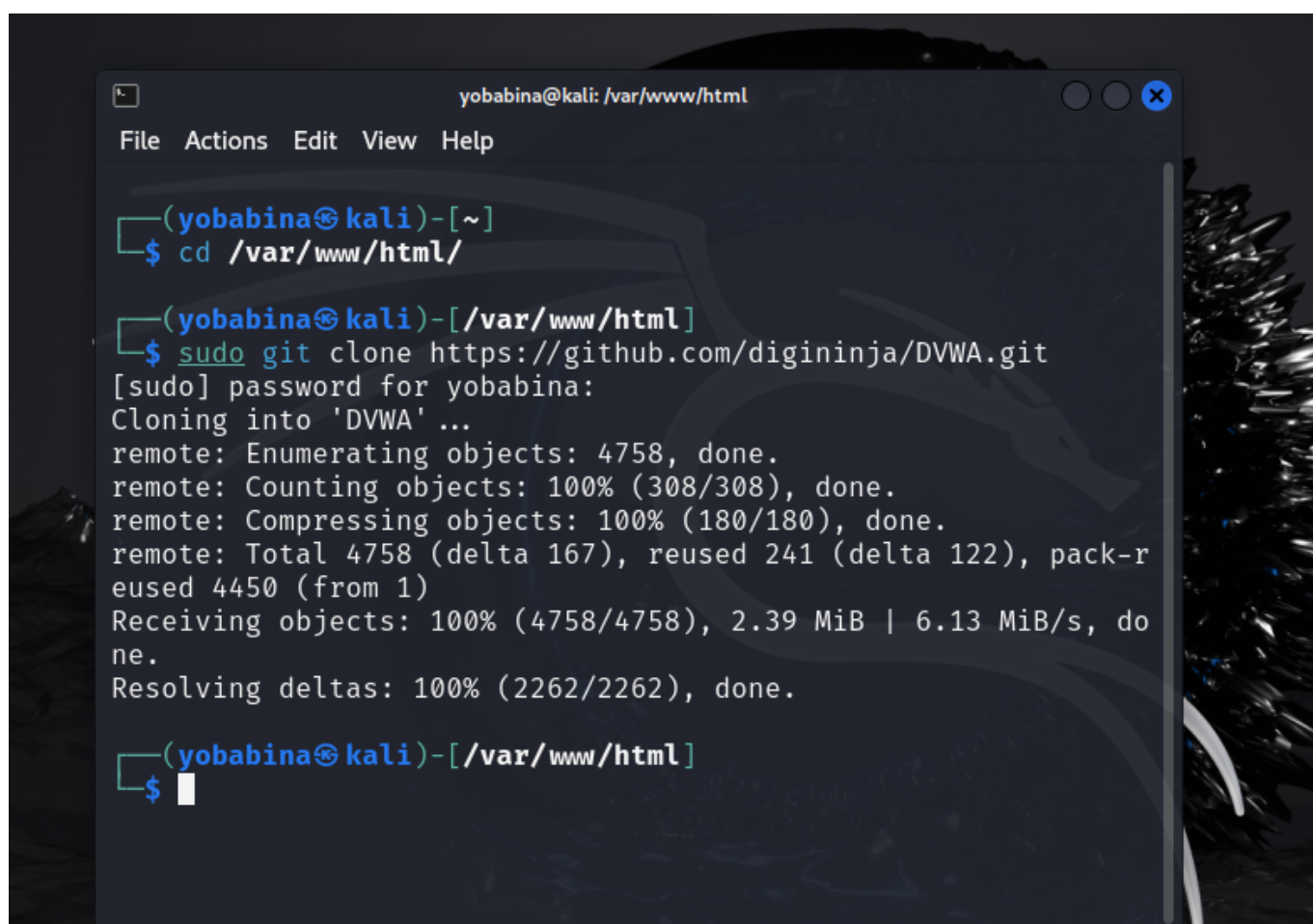
---

Цель работы: Приобретение практического навыка установки и развертывания веб-приложений DVWA в гостевую систему к Kali Linux.

## Выполнение работы

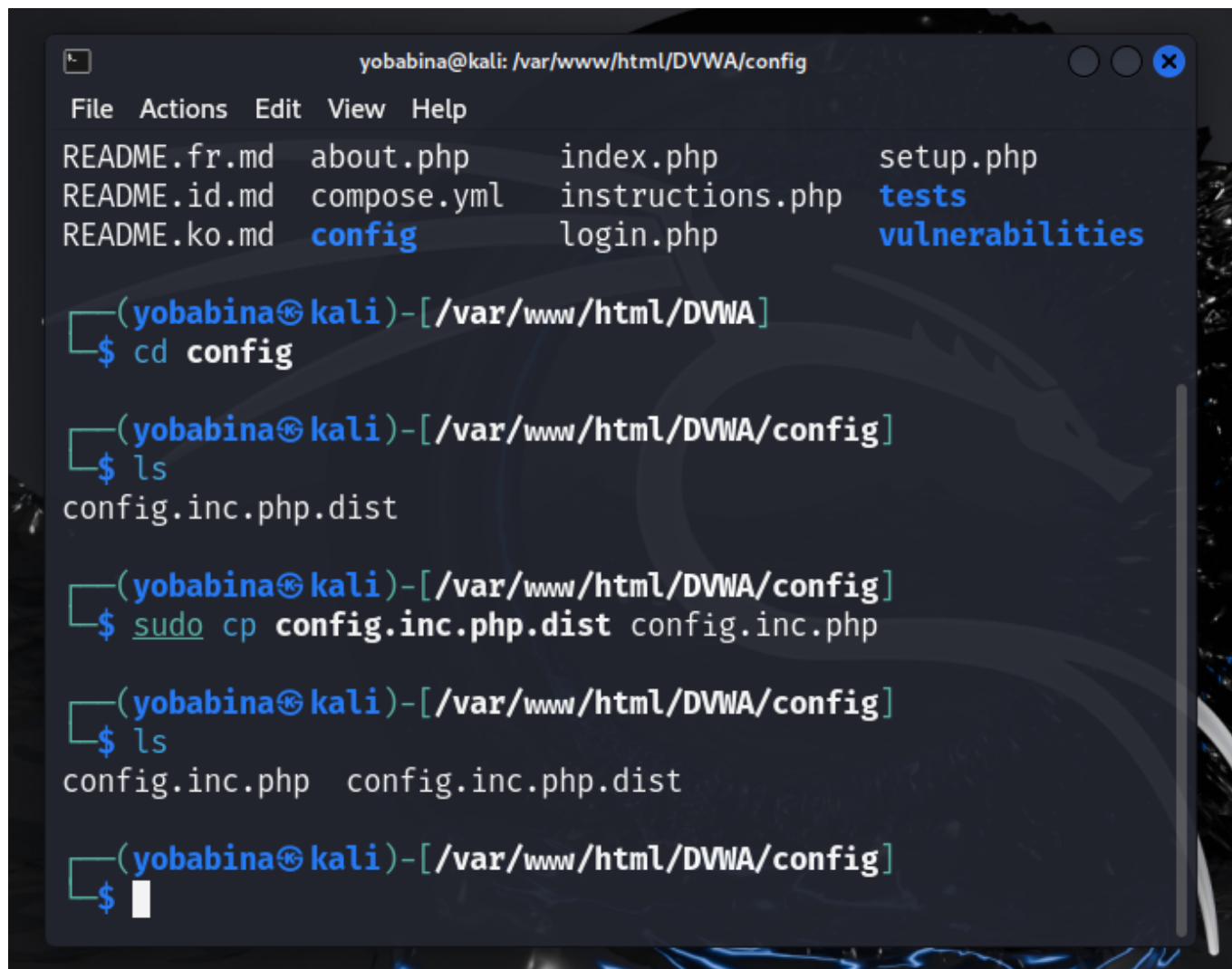
---

### Клонирование репозитория

A screenshot of a terminal window titled 'yobabina@kali: /var/www/html'. The window has a menu bar with 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows the following commands and output:

```
(yobabina@kali)-[~]  
$ cd /var/www/html/  
  
(yobabina@kali)-[/var/www/html]  
$ sudo git clone https://github.com/digininja/DVWA.git  
[sudo] password for yobabina:  
Cloning into 'DVWA' ...  
remote: Enumerating objects: 4758, done.  
remote: Counting objects: 100% (308/308), done.  
remote: Compressing objects: 100% (180/180), done.  
remote: Total 4758 (delta 167), reused 241 (delta 122), pack-r  
eused 4450 (from 1)  
Receiving objects: 100% (4758/4758), 2.39 MiB | 6.13 MiB/s, do  
ne.  
Resolving deltas: 100% (2262/2262), done.  
  
(yobabina@kali)-[/var/www/html]  
$
```

### Копирование содержимого файла



```
yobabina@kali: /var/www/html/DVWA/config
File Actions Edit View Help
README.fr.md  about.php      index.php      setup.php
README.id.md  compose.yml    instructions.php tests
README.ko.md  config         login.php      vulnerabilities

(yobabina@kali)-[/var/www/html/DVWA]
$ cd config

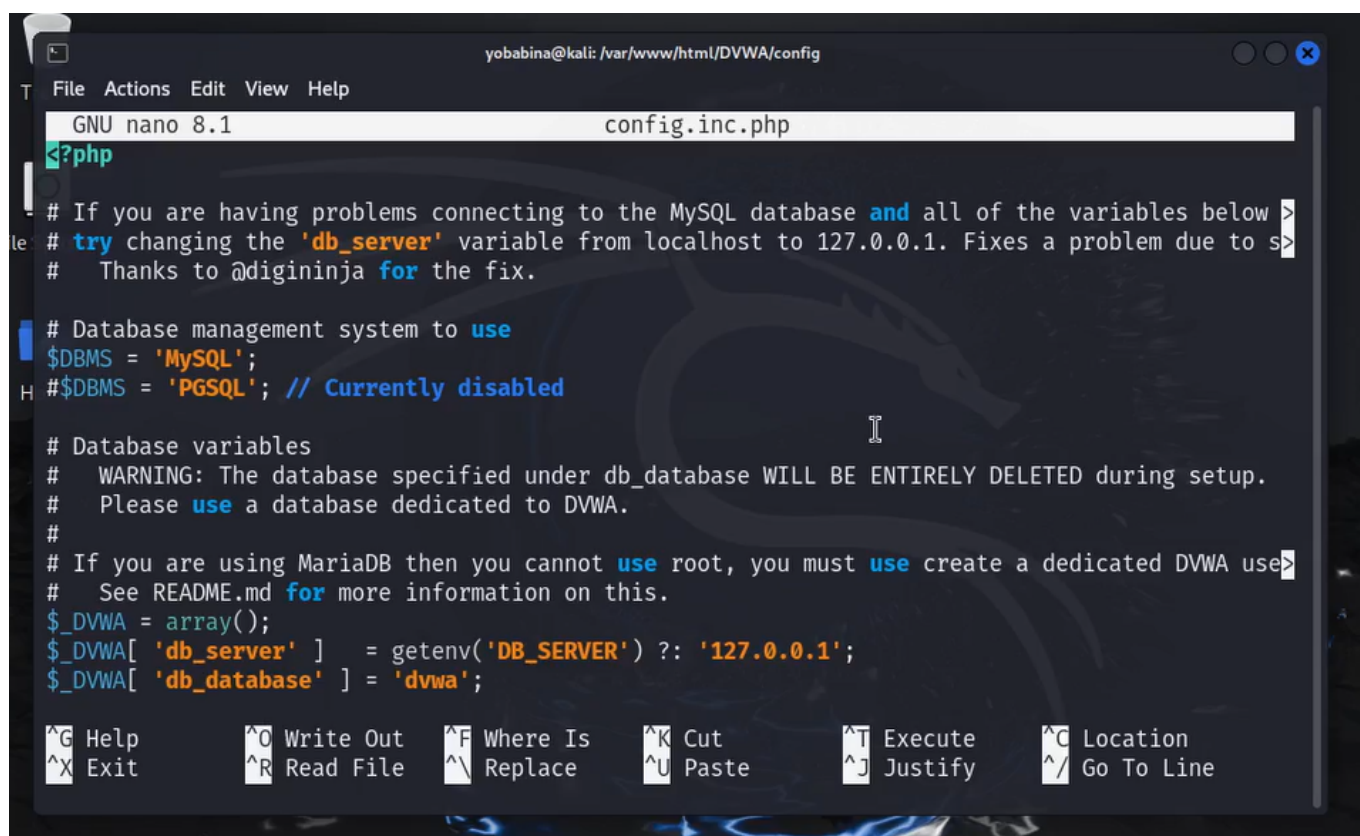
(yobabina@kali)-[/var/www/html/DVWA/config]
$ ls
config.inc.php.dist

(yobabina@kali)-[/var/www/html/DVWA/config]
$ sudo cp config.inc.php.dist config.inc.php

(yobabina@kali)-[/var/www/html/DVWA/config]
$ ls
config.inc.php  config.inc.php.dist

(yobabina@kali)-[/var/www/html/DVWA/config]
$
```

## Содержание файла config.inc.php



```
GNU nano 8.1 config.inc.php
?php
# If you are having problems connecting to the MySQL database and all of the variables below
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due to s
# Thanks to @digininja for the fix.

# Database management system to use
$DBMS = 'MySQL';
# $DBMS = 'PGSQL'; // Currently disabled

# Database variables
# WARNING: The database specified under db_database WILL BE ENTIRELY DELETED during setup.
# Please use a database dedicated to DVWA.
#
# If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA use
# See README.md for more information on this.
$_DVWA = array();
$_DVWA[ 'db_server' ] = getenv('DB_SERVER') ?: '127.0.0.1';
$_DVWA[ 'db_database' ] = 'dvwa';

^G Help      ^O Write Out  ^F Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^N Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

## Запуск сервера MySQL

```
yobabina@kali: /var/www/html/DVWA/config
File Actions Edit View Help

(yobabina@kali)-[/var/www/html/DVWA/config]
$ sudo service mysql status
o mariadb.service - MariaDB 11.4.2 database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/

(yobabina@kali)-[/var/www/html/DVWA/config]
$ sudo service mysql start

(yobabina@kali)-[/var/www/html/DVWA/config]
$ sudo service mysql status
● mariadb.service - MariaDB 11.4.2 database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; disabled; preset: disabled)
   Active: active (running) since Thu 2024-09-19 22:50:49 MSK; 14s ago
 Invocation: 84d89a5be54b48b8b0e604d5d818b60f
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/
   Process: 20273 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysqld (>
   Process: 20275 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION >
   Process: 20277 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= || VAR>
```

## Создание базы данных и пользователя

```
root@kali: /var/www/html/DVWA/config
File Actions Edit View Help

(root@kali)-[/var/www/html/DVWA/config]
# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 11.4.2-MariaDB-4 Debian n/a

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

Support MariaDB developers by giving a star at https://github.com/MariaDB/server
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database dvwa;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> create user dvwa@localhost identified by 'p@ssw0rd';
Query OK, 0 rows affected (0.011 sec)

MariaDB [(none)]> grant all on dvwa.* to dvwa@localhost;
Query OK, 0 rows affected (0.010 sec)

MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.002 sec)
```

```
(yobabina@kali)-[/var/www/html/DVWA/config]
$ mysql -u dvwa -pp@ssw0rd
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 32
Server version: 11.4.2-MariaDB-4 Debian n/a

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

Support MariaDB developers by giving a star at https://github.com/MariaDB/server
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use dvwa;
Database changed
MariaDB [dvwa]>
```

## Настройка и запуск веб-сервера apache2

```
yobabina@kali: /etc/php/8.2/apache2
File Actions Edit View Help
GNU nano 8.1 php.ini
upload_max_filesize = 2M

; Maximum number of files that can be uploaded via a single request
max_file_uploads = 20

;;;;;;;;;;;;;;;;;;;;;;;;;
; Fopen wrappers ;
;;;;;;;;;;;;;;;;;;;;;;;;;

; Whether to allow the treatment of URLs (like http:// or ftp://) as files.
; https://php.net/allow-url-fopen
allow_url_fopen = On

; Whether to allow include/require to open URLs (like https:// or ftp://) as
; https://php.net/allow-url-include
allow_url_include = On

; Define the anonymous ftp password (your email address). PHP's default sett
; for this is empty.
; https://php.net/from
;from="john@doe.com"

; Define the User-Agent string. PHP's default setting for this is empty.

^G Help      ^O Write Out  ^F Where Is   ^K Cut        ^T Execute
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify
```



!

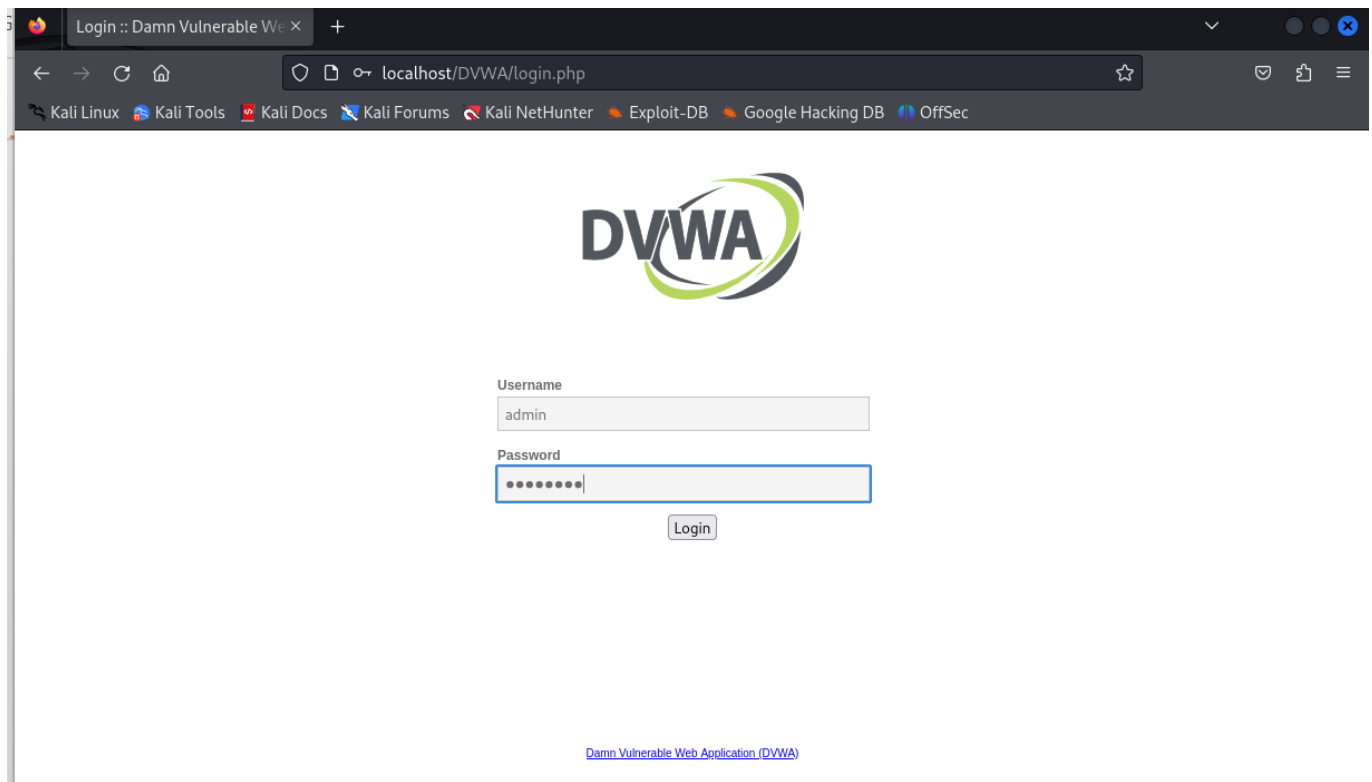
```
yobabina@kali: /etc/php/8.2/apache2
File Actions Edit View Help

(yobabina@kali)-[/etc/php/8.2/apache2]
$ sudo service apache2 status
o apache2.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/apache2.service; disabled; pres>
  Active: inactive (dead)
  Docs: https://httpd.apache.org/docs/2.4/

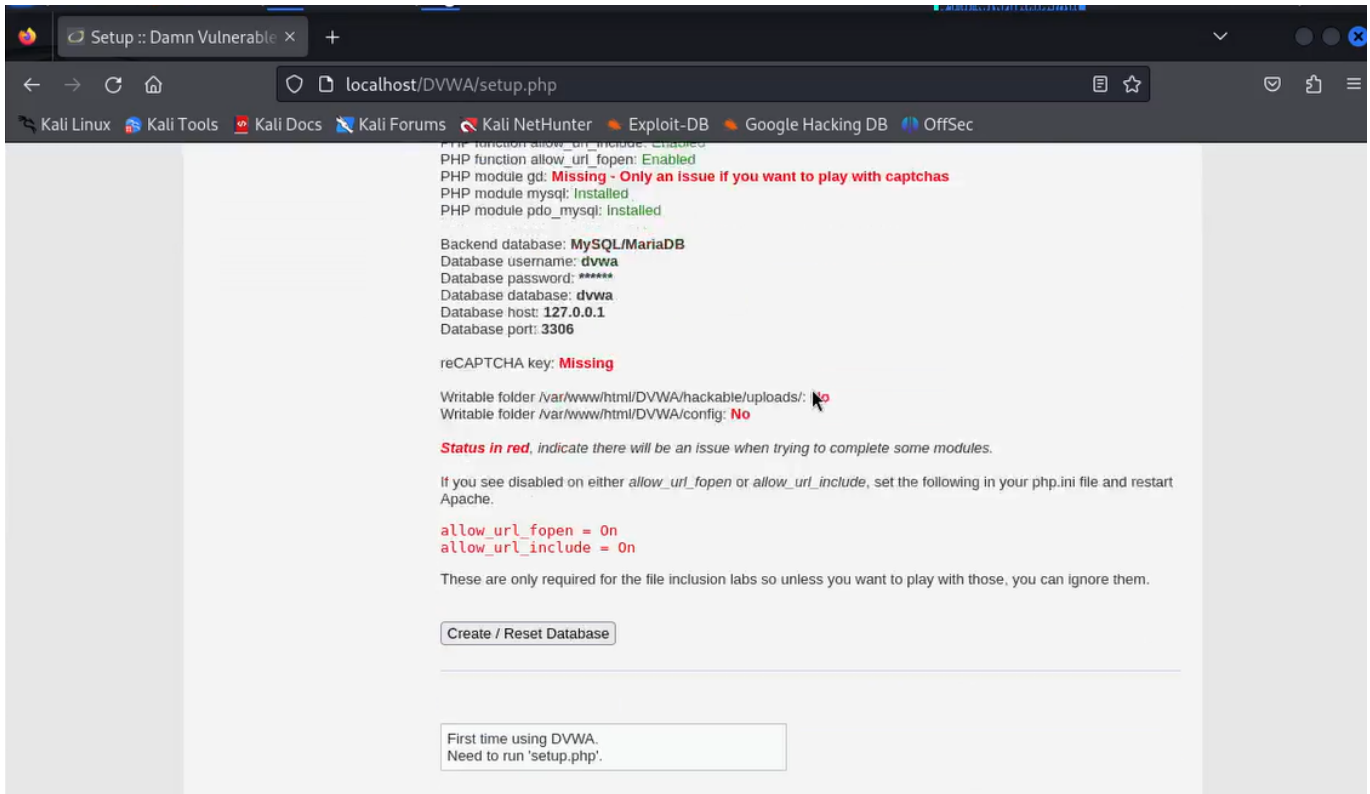
(yobabina@kali)-[/etc/php/8.2/apache2]
$ sudo service apache2 start

(yobabina@kali)-[/etc/php/8.2/apache2]
$ sudo service apache2 status
● apache2.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/apache2.service; disabled; pres>
  Active: active (running) since Thu 2024-09-19 23:12:04 MSK; 3s ago
  Invocation: 70c11090f5ec4a6e98bdb124aea61493
  Docs: https://httpd.apache.org/docs/2.4/
  Process: 31030 ExecStart=/usr/sbin/apachectl start (code=exited, status=>
  Main PID: 31046 (apache2)
  Tasks: 6 (limit: 4607)
  Memory: 19.7M (peak: 19.9M)
  CPU: 168ms
  CGroup: /system.slice/apache2.service
          └─31046 /usr/sbin/apache2 -k start
            └─31049 /usr/sbin/apache2 -k start
```

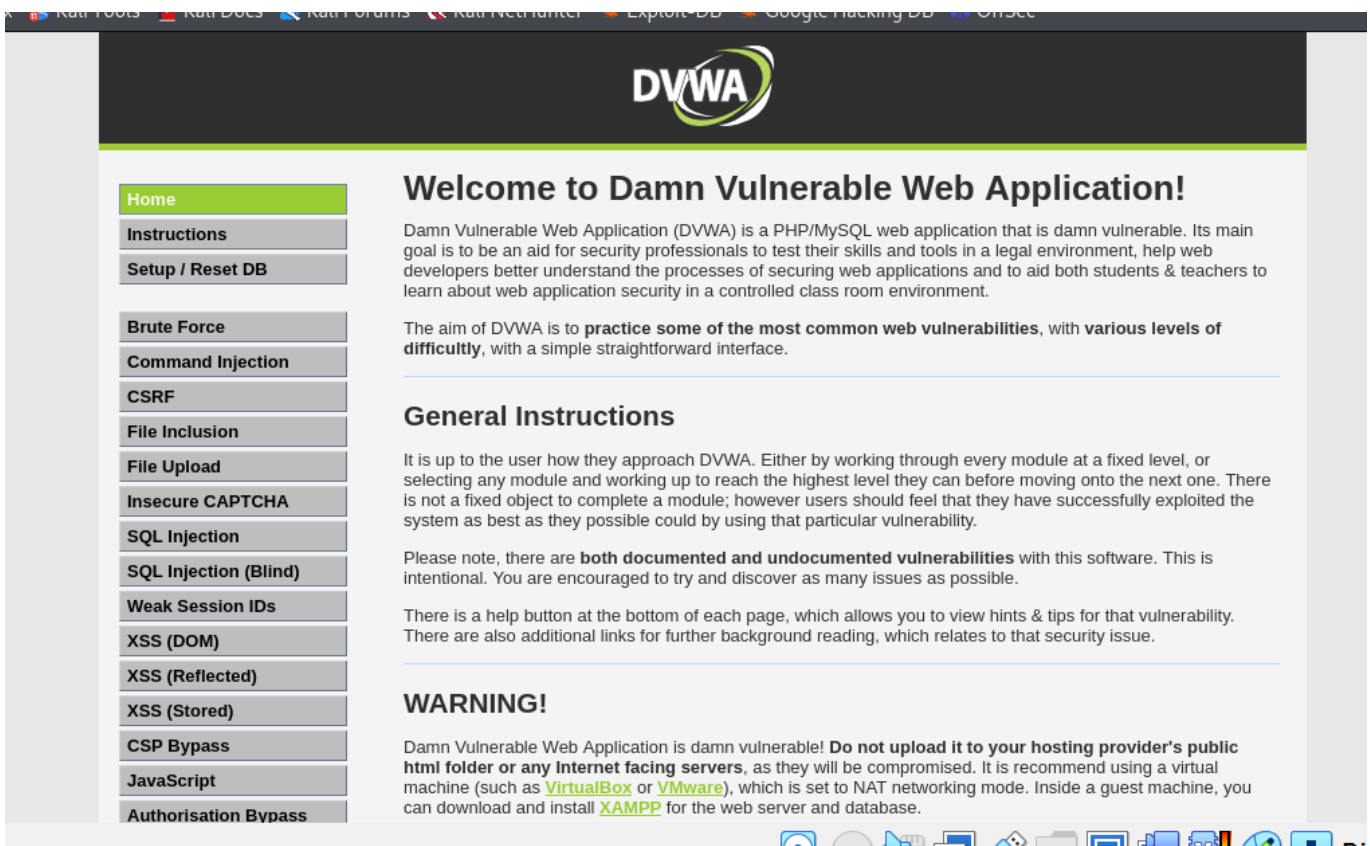
## Форма авторизации



## Применение миграций к базе данных



## Установленное приложение



## Вывод

В рамках выполнения данной лабораторной работы я приобрела практический навык установки и развертывания веб-приложений

DVWA в гостевую систему к Kali Linux.