

Assignment 1

Installation DVWA In Windows 10 Using XAMPP

Damn Vulnerable Web Application (DVWA) is a PHP/MySQL web application that is damn vulnerable. Its main goal is to be an aid for security professionals to test their skills and tools in a legal environment, help web developers better understand the processes of securing web applications, and to aid both students & teachers to learn about web application security in a controlled classroom environment.

The aim of DVWA is to practice some of the most common web vulnerabilities, with various levels of difficulty, with a simple straightforward interface. Please note, there are both documented and undocumented vulnerabilities with this software. This is intentional. You are encouraged to try and discover as many issues as possible.

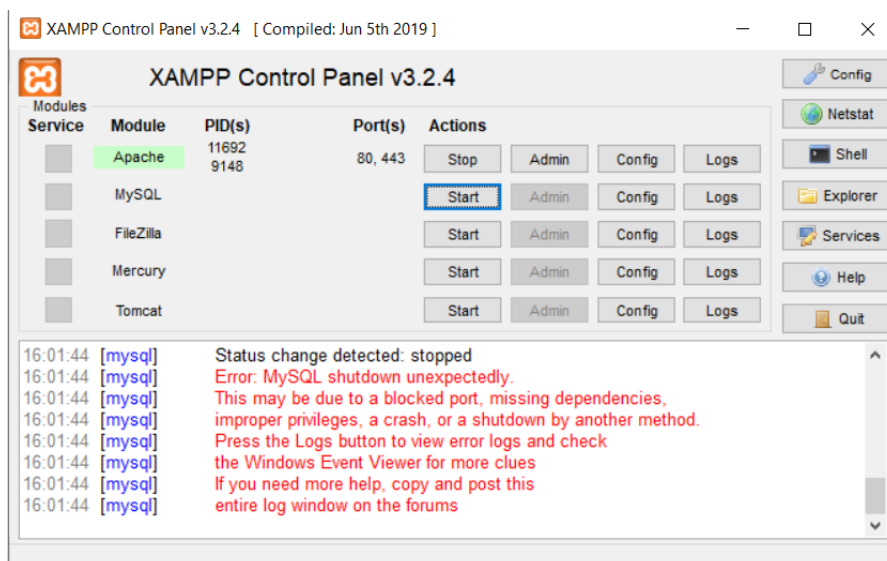
1) Download DVWA > <http://www.dvwa.co.uk/>

Download and install XAMPP on your computer

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages

Download Link > <https://www.apachefriends.org/download.html>

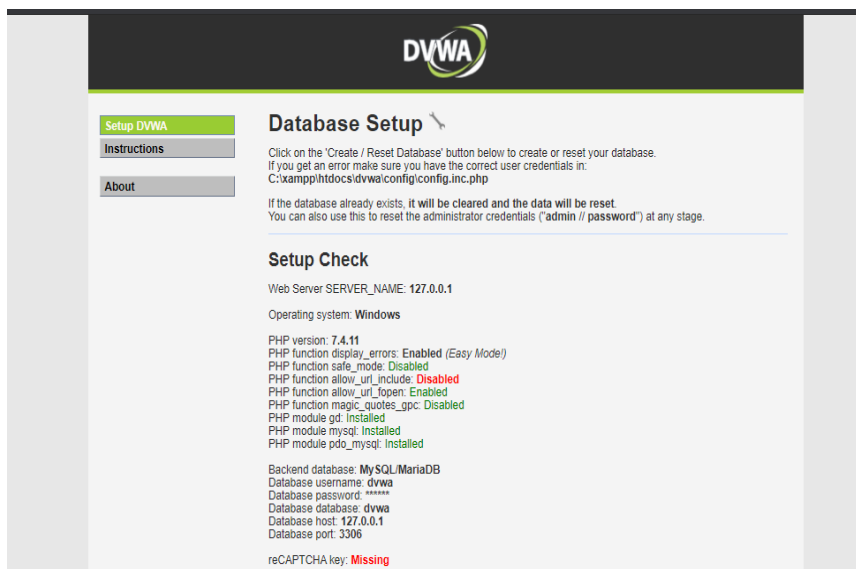
2) Open XAMPP and start 'Apache and MySQL'



3) After downloading dvwa files compressed and move the file to the htdocs folder of the xampp application.

4) Then A filename 'config.inc.php.dist' rename it to 'config.inc.php' available in htdocs\dvwa\config

5) Now, type '127.0.0.1/dvwa' in the URL of the browser



6) Now, we need to edit the config file that we rename in the earlier step.

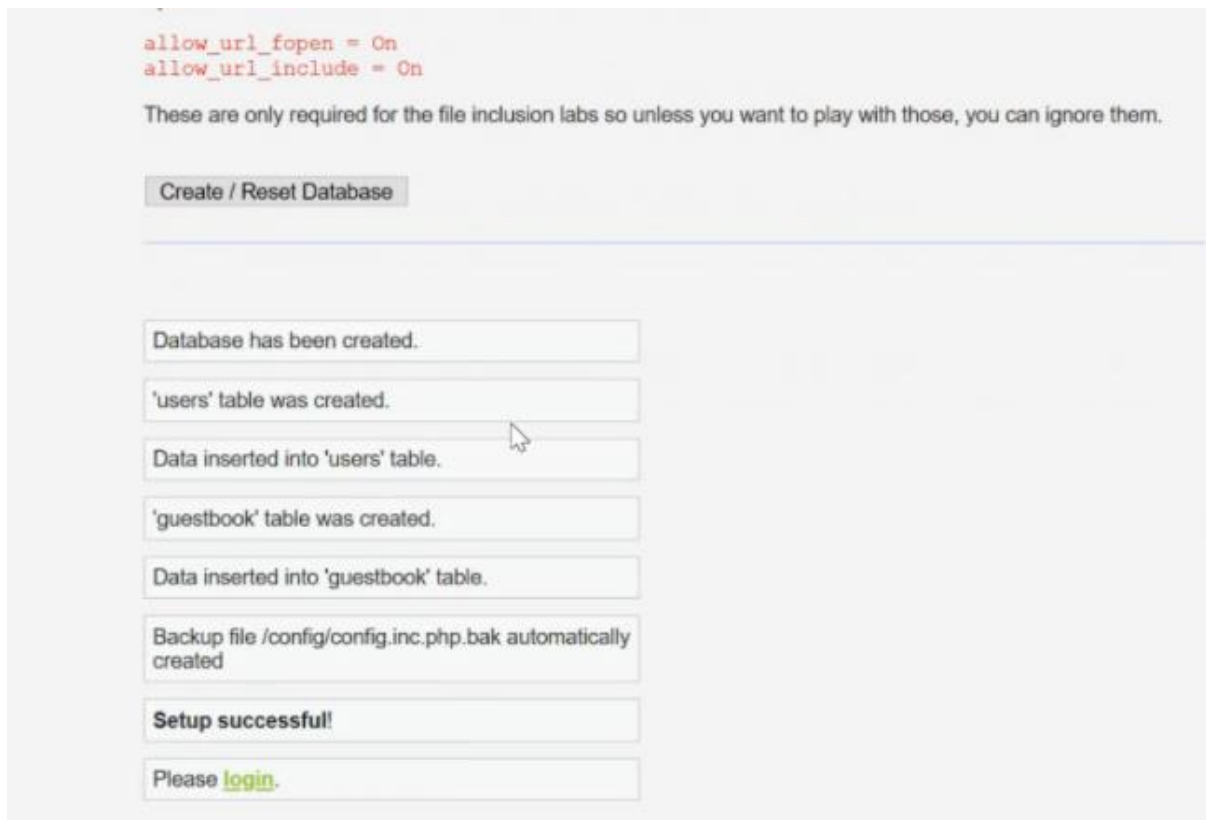
Then open it in Notepad and in the password tab, clear the password or make the password empty by remove the default password and give username as root.

```
# If you are using MariaDB then you cannot use root, you must use create a dedicated DVWA user.
# See README.md for more information on this.
$_DVWA = array();
$_DVWA[ 'db_server' ] = '127.0.0.1';
$_DVWA[ 'db_database' ] = 'dvwa';
$_DVWA[ 'db_user' ] = 'root';
$_DVWA[ 'db_password' ] = '';
$_DVWA[ 'db_port' ] = '3306';

# ReCAPTCHA settings
# Used for the 'Insecure CAPTCHA' module
# You'll need to generate your own keys at: https://www.google.com/recaptcha/admin
$_DVWA[ 'recaptcha_public_key' ] = '';
$_DVWA[ 'recaptcha_private_key' ] = '';
```

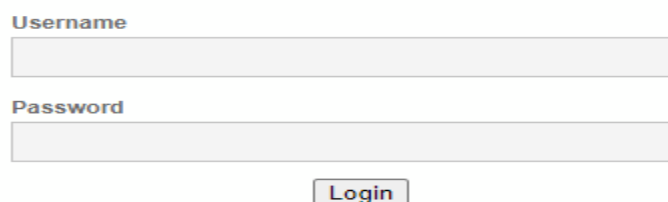
7) Then click on 'Create / Reset Database'

You will see this type of output.



The screenshot shows the output of the 'Create / Reset Database' button click. At the top, two lines of red text indicate configuration settings: `allow_url_fopen = On` and `allow_url_include = On`. Below this, a message states: "These are only required for the file inclusion labs so unless you want to play with those, you can ignore them." A button labeled "Create / Reset Database" is visible. Below the button, a series of status messages are displayed in a list-like format: "Database has been created.", "'users' table was created.", "Data inserted into 'users' table.", "'guestbook' table was created.", "Data inserted into 'guestbook' table.", "Backup file /config/config.inc.php.bak automatically created", "Setup successful!", and "Please [login](#)."

8) Click on 'Login' or it will automatically redirect to the login page.



The login form consists of two input fields. The first field is labeled "Username" and the second is labeled "Password". Both labels are in a bold, dark blue font. Below the "Password" field is a button labeled "Login" in a dark blue font.

The default username is 'admin' and the password is 'password'.

9) Then you would see the homepage of dvwa application and finally installed.

