

Practical :- 6

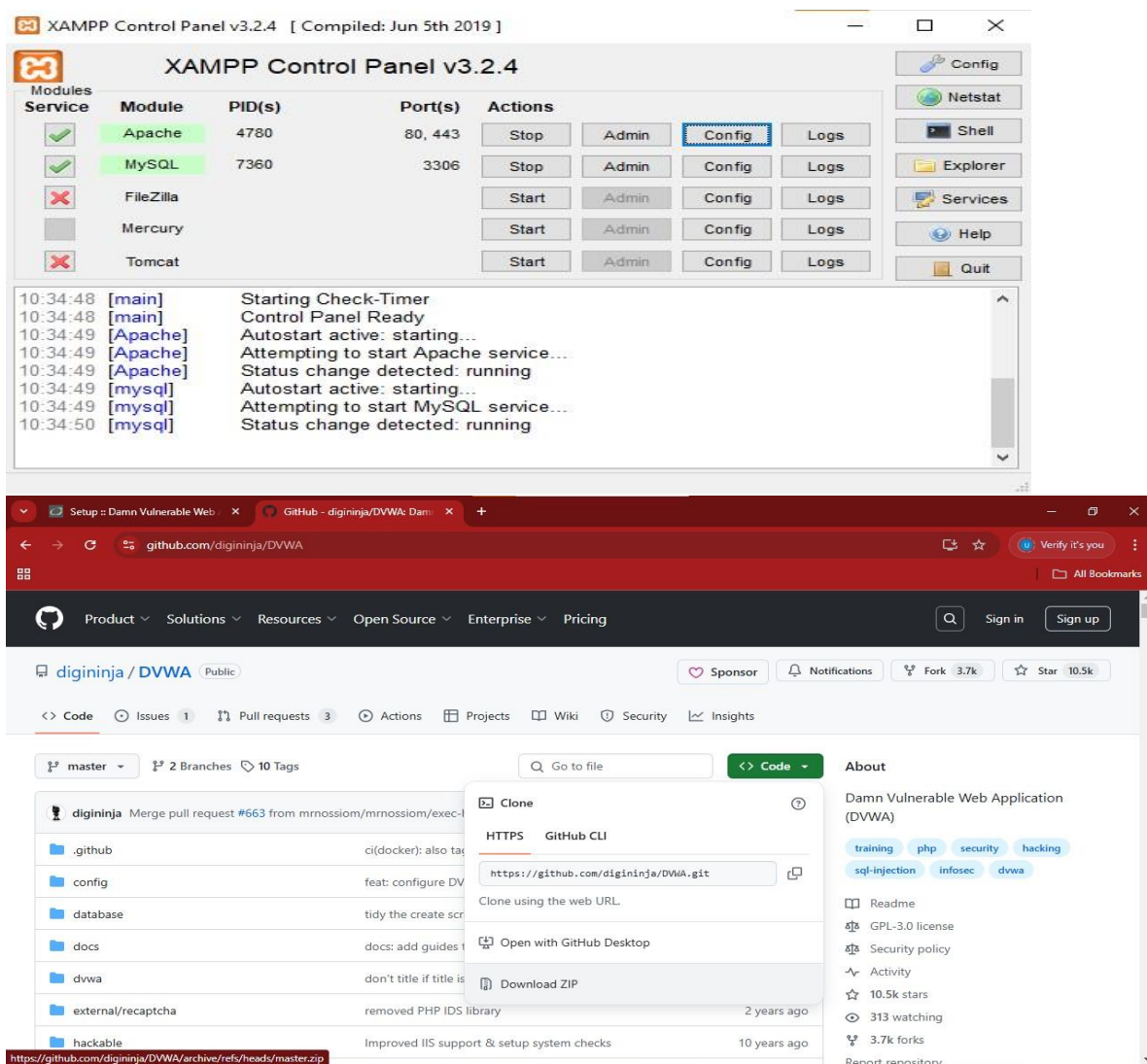
Aim :- Persistent Cross-Site Scripting Attack

- Set up a vulnerable web application that is susceptible to persistent XSS attacks.
- Craft a malicious script to exploit the XSS vulnerability and execute arbitrary code.
- Observe the consequences of the attack and understand the potential risks associated with XSS vulnerabilities.

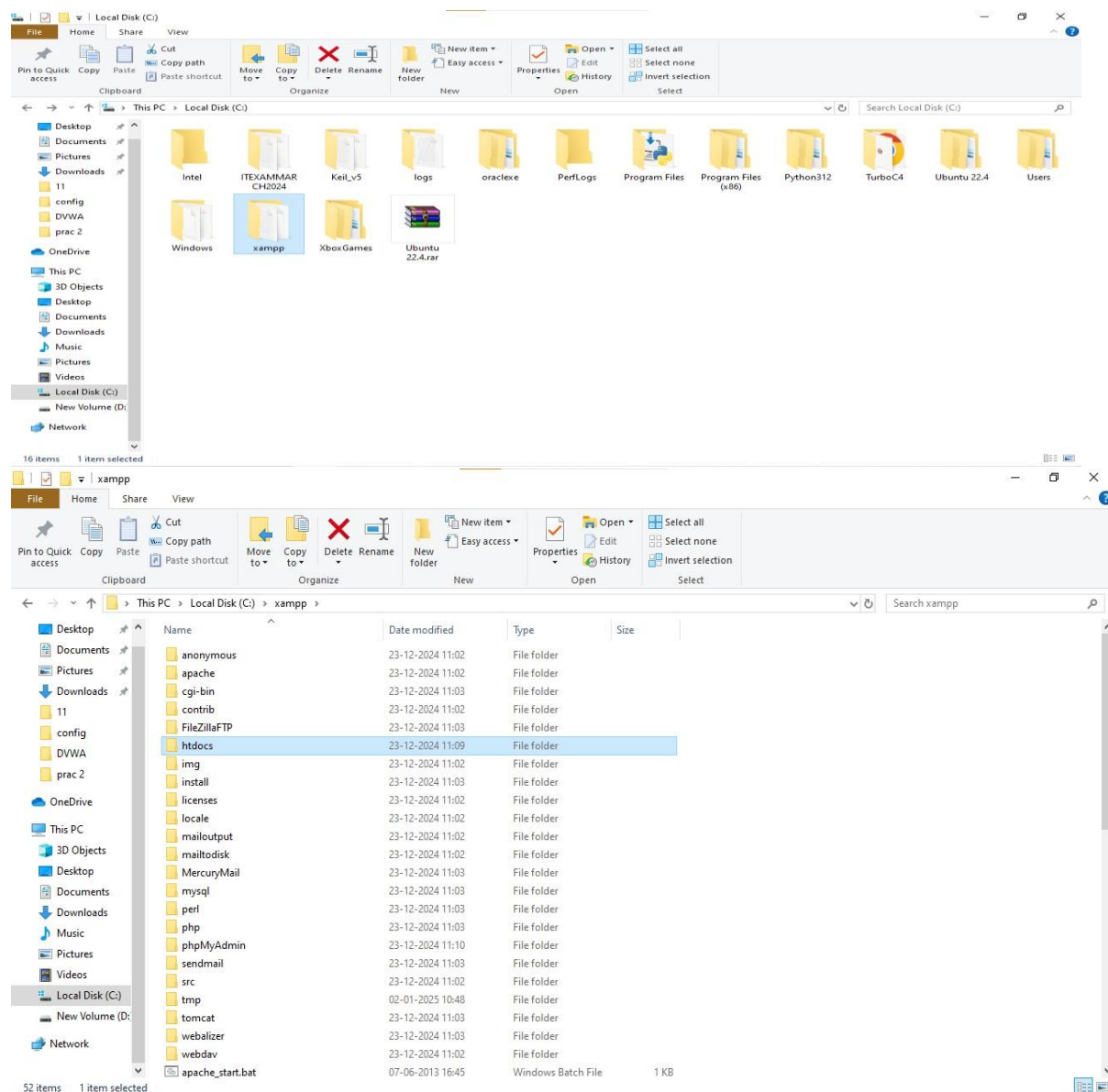
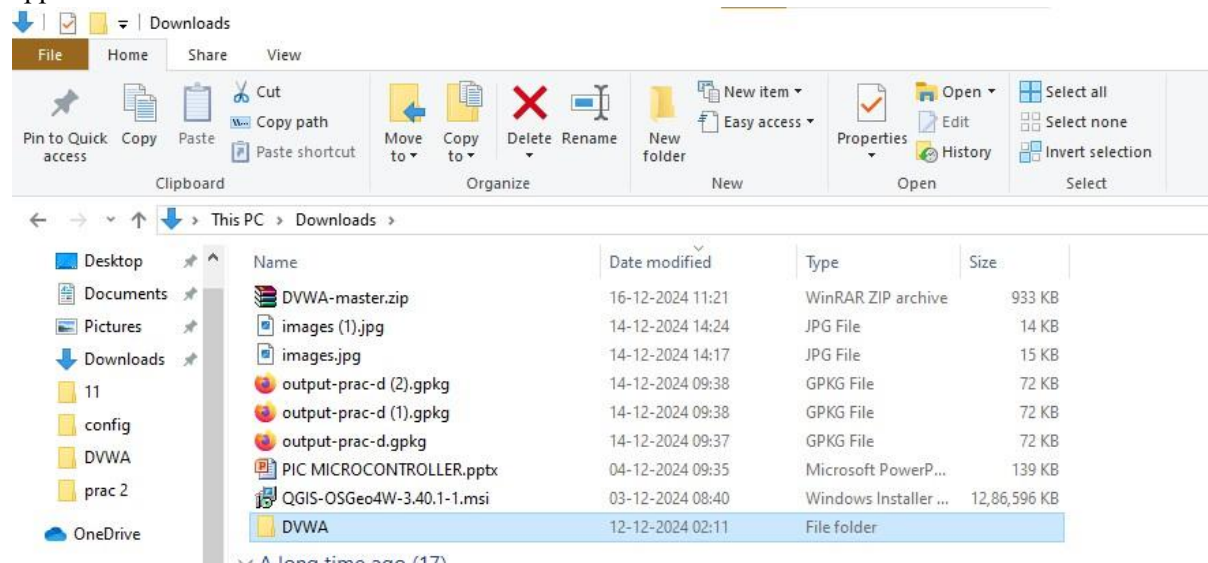
Cross Site Scripting: Cross-site scripting (XSS) is a type of computer security vulnerability typically found in web applications. XSS enables attackers to inject client side scripts into web pages viewed by other users. Across-site scripting vulnerability may be used by attackers to bypass access controls such as the same-origin policy.

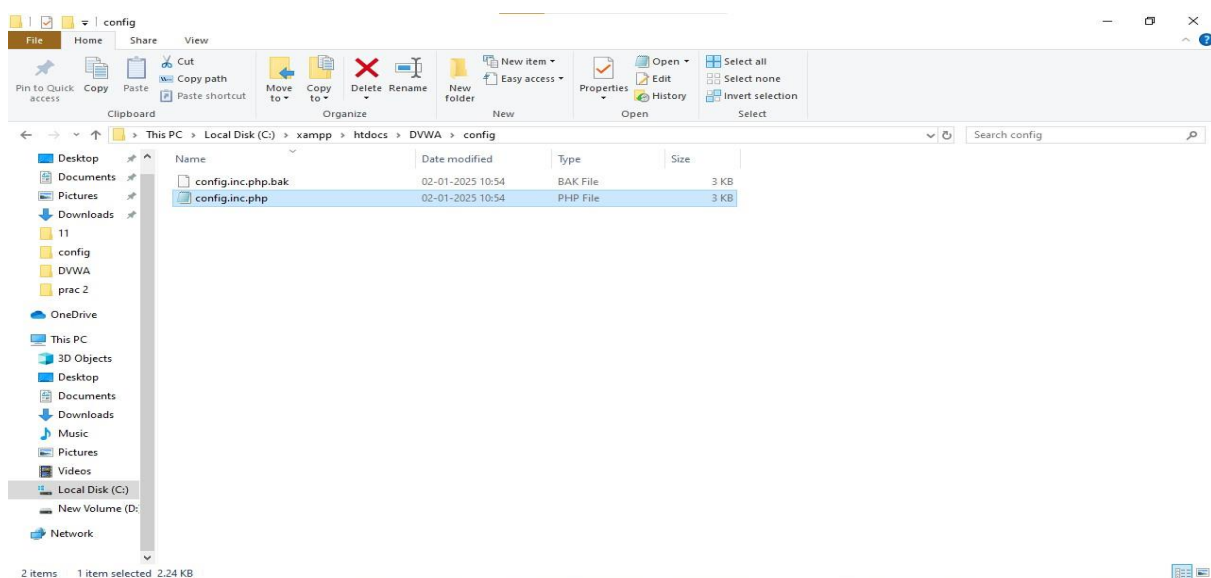
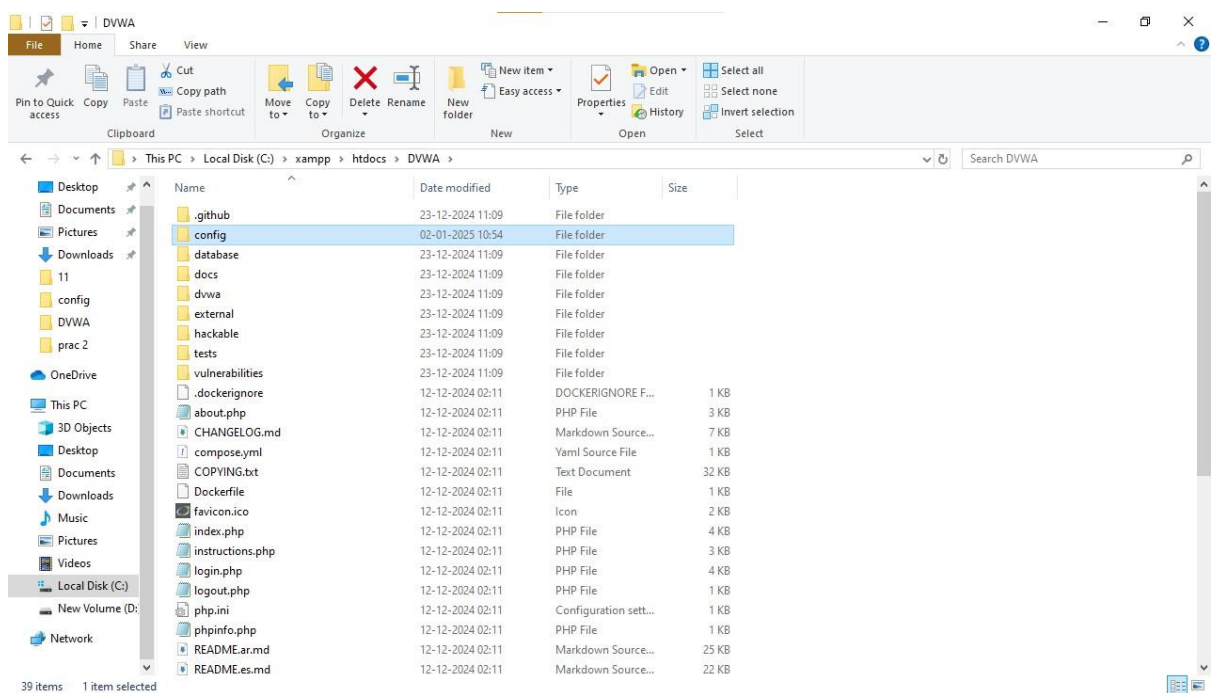
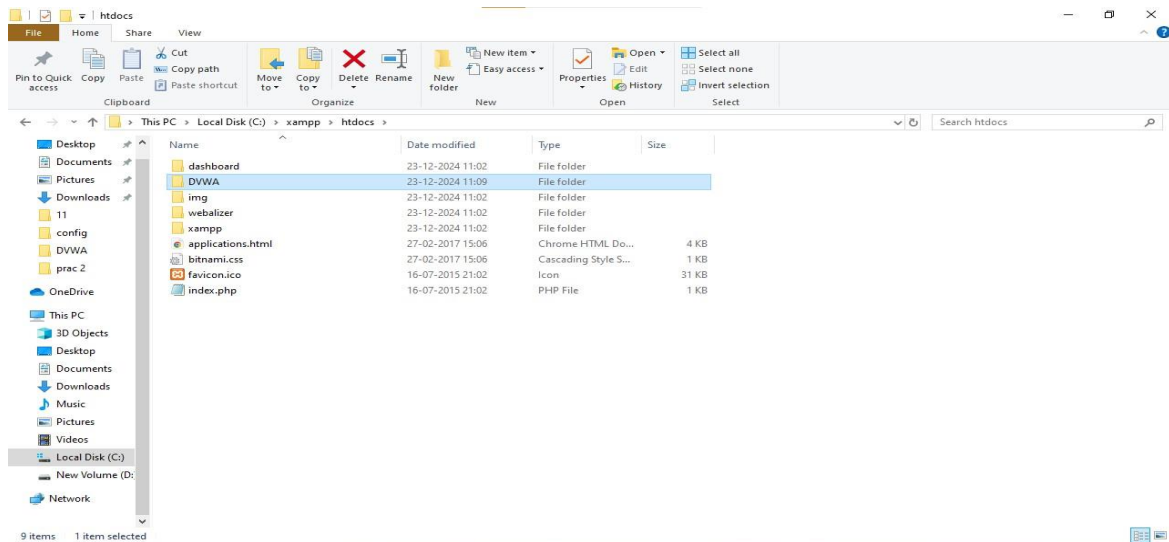
Step 1: Go to „start“ and open XAMPP.

Step 2: Activate the module Apache and MySQL by clicking on Action button to „Start“



Step 3: open default browser and type „localhost/dashboard“ and a XAMPP dashboard appears.






```
config.inc.php - Notepad
File Edit Format View Help
#
# 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'] = '';
```

```
config.inc.php - Notepad
File Edit Format View Help
# Default value for the security level with each session.
# The default is 'impossible'. You may wish to set this to either 'low', 'medium', 'high' or
impossible'.
$_DVWA['default_security_level'] = getenv('DEFAULT_SECURITY_LEVEL') ?: 'low';

# Default locale
# Default locale for the help page shown with each session.
# The default is 'en'. You may wish to set this to either 'en' or 'zh'.
$_DVWA['default_locale'] = getenv('DEFAULT_LOCALE') ?: 'en';

# Disable authentication
# Some tools don't like working with authentication and passing cookies around
# so this setting lets you turn off authentication.
$_DVWA['disable_authentication'] = getenv('DISABLE_AUTHENTICATION') ?: true;

define('MYSQL', 'mysql');
define('SQLITE', 'sqlite');
```

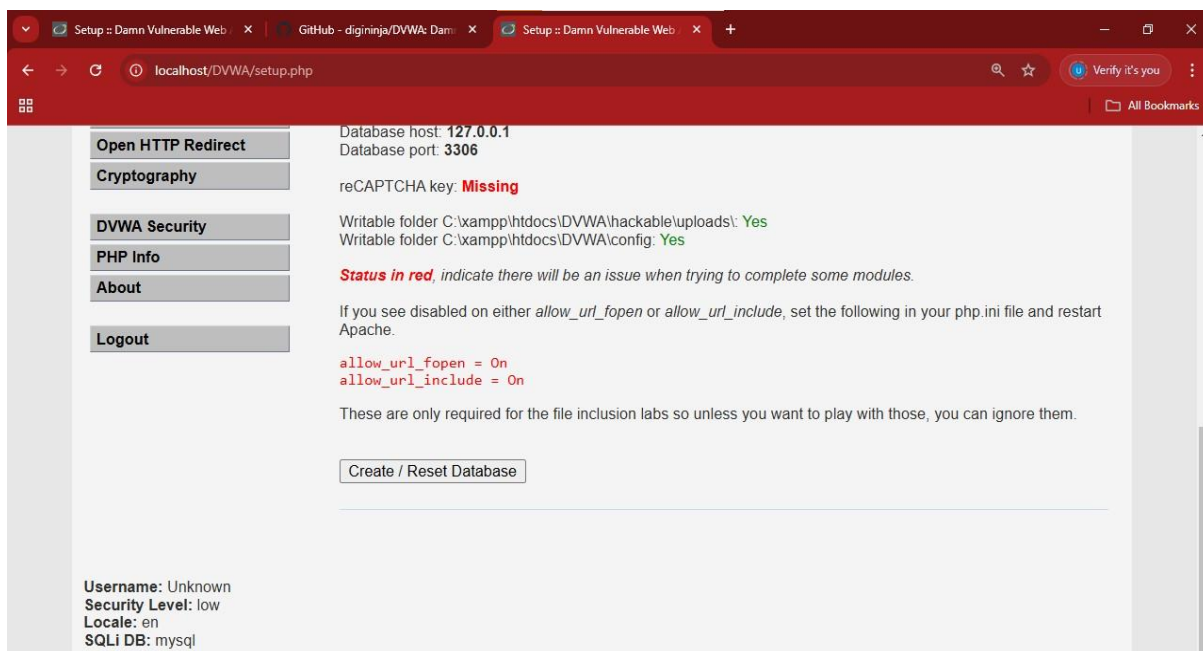
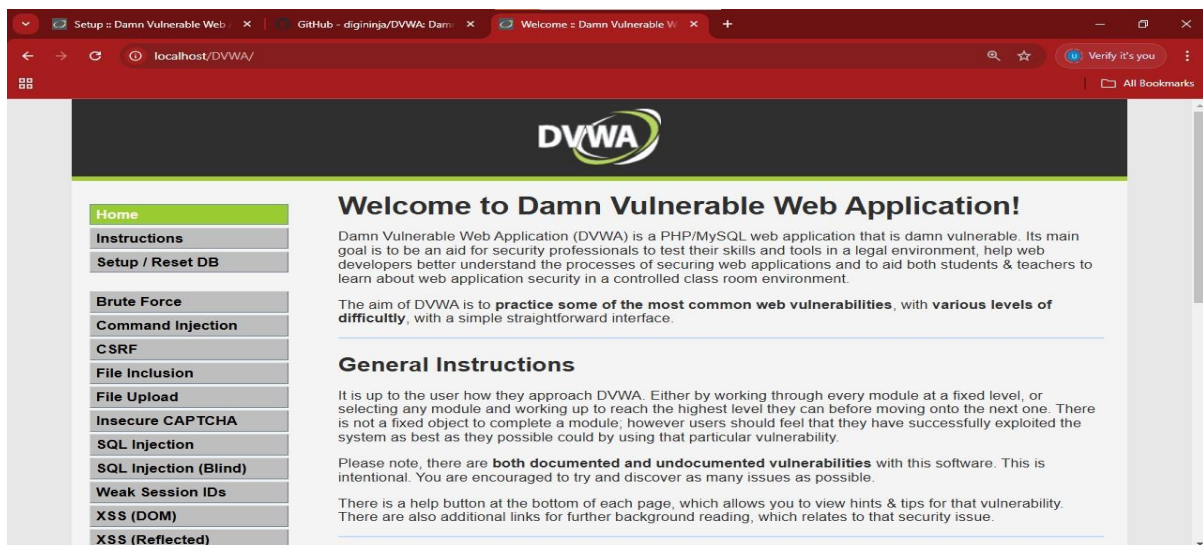
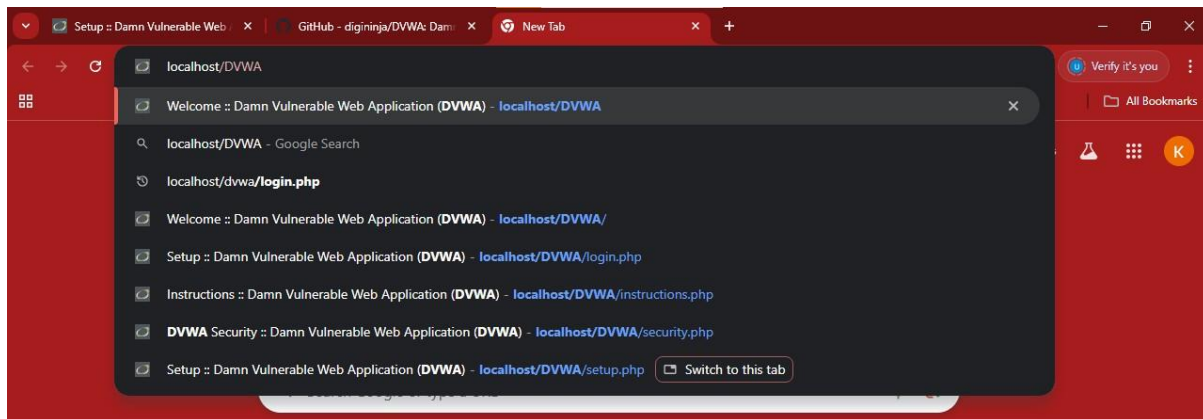
```
config.inc.php - Notepad
File Edit Format View Help
$_DVWA['default_security_level'] = getenv('DEFAULT_SECURITY_LEVEL') ?: 'low';

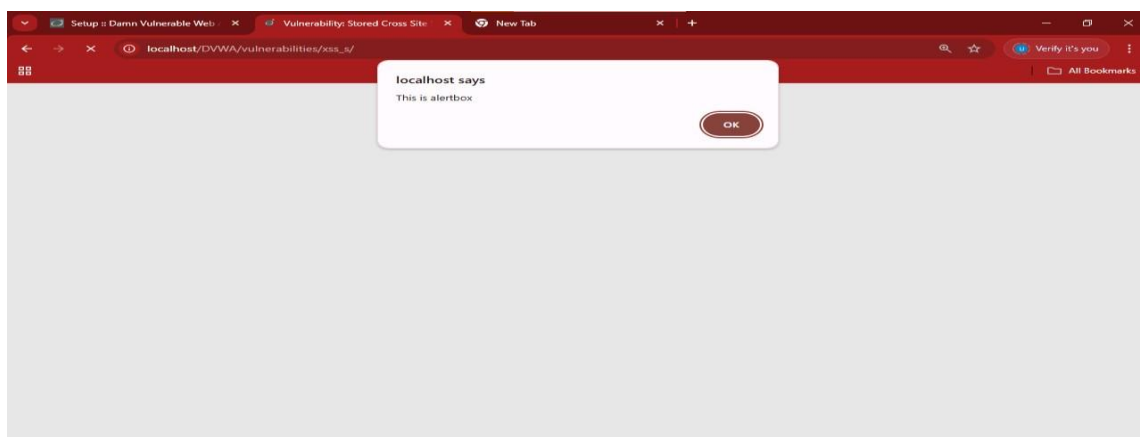
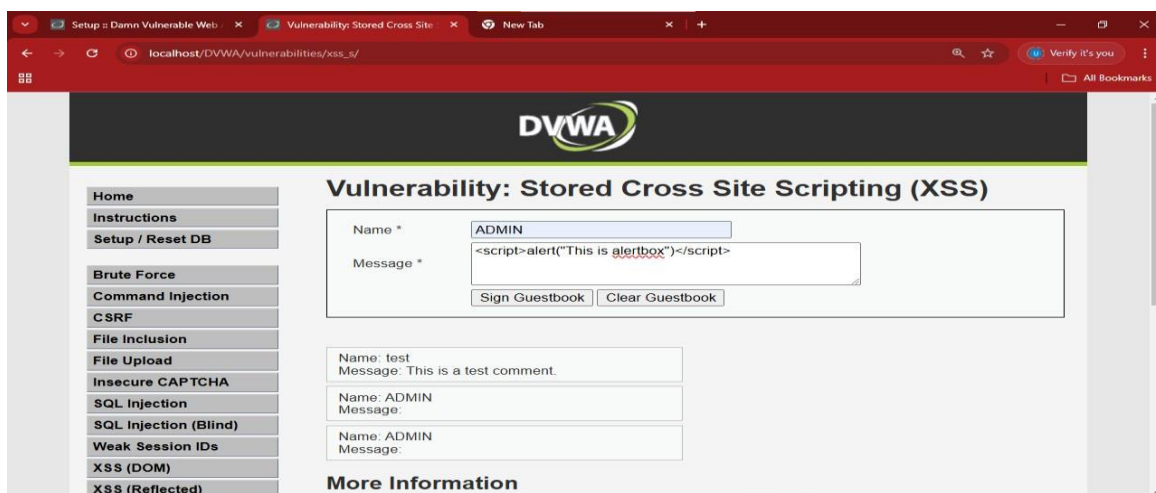
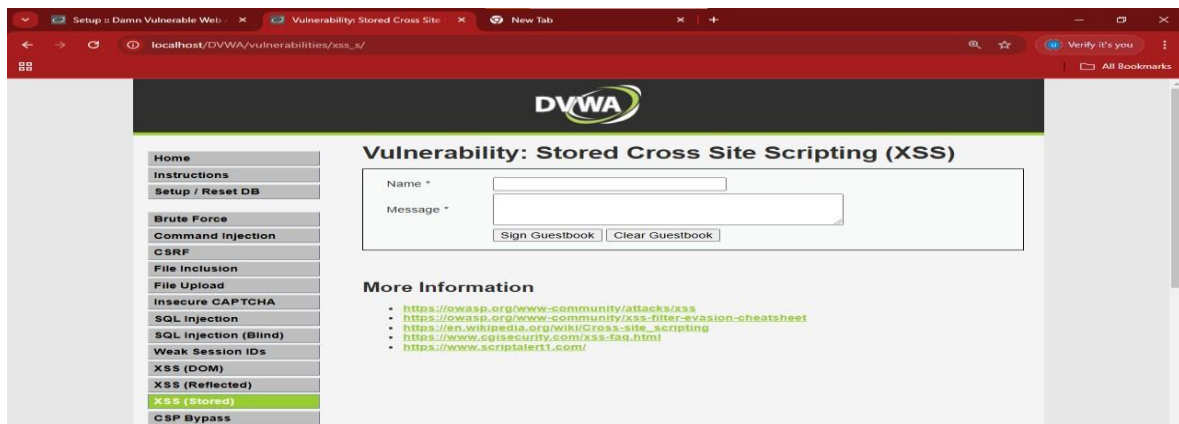
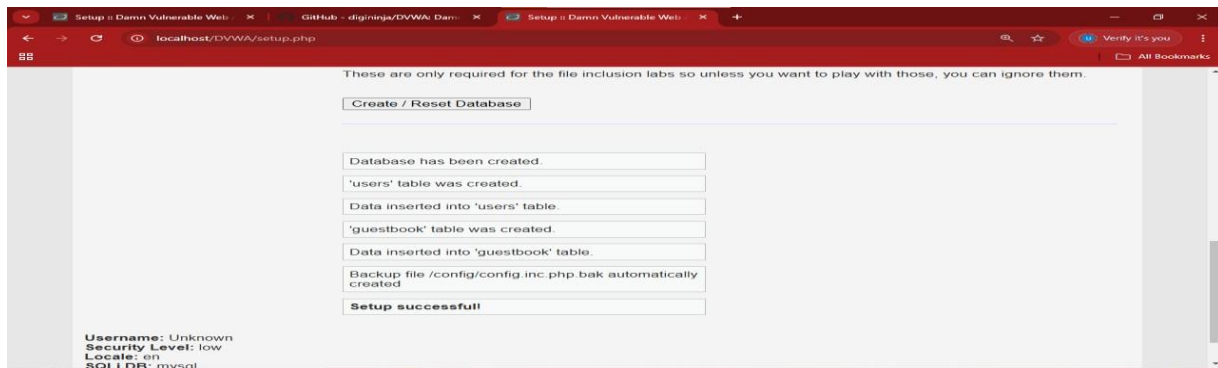
# Default locale
# Default locale for the help page shown with each session.
# The default is 'en'. You may wish to set this to either 'en' or 'zh'.
$_DVWA['default_locale'] = getenv('DEFAULT_LOCALE') ?: 'en';

# Disable authentication
# Some tools don't like working with authentication and passing cookies around
# so this setting lets you turn off authentication.
$_DVWA['disable_authentication'] = getenv('DISABLE_AUTHENTICATION') ?: true;

define('MYSQL', 'mysql');
define('SQLITE', 'sqlite');

# SQLi DB Backend
# Use this to switch the backend database used in the SQLi and Blind SQLi labs.
```





Conclusion: Hence persistent cross-site scripting attack simulated successfully.