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<fieldset>

<figcaption>

<figure>

<footer>

<form>

<frame>

<frameset>

<h1> - <h6>

<head>

<header>

<hgroup>

<hr>

<html>

<i>

<iframe>

<input>

<ins>

More "Try it Yourself" examples below.

Definition and Usage

The `` tag is used to embed an image in an HTML page.

Images are not technically inserted into a web page; images are linked to web pages. The `` tag creates a holding space for the referenced image.

The `` tag has two required attributes:

- `src` - Specifies the path to the image
- `alt` - Specifies an alternate text for the image, if the image for some reason cannot be displayed

Note: Also, always specify the width and height of an image. If width and height are not specified, the page might flicker while the image loads.

Tip: To link an image to another document, simply nest the `` tag inside an `<a>` tag (see example below).

2. Question: What is the CSS "property: value" used to make an HTML element's text aligned to the left? **Answer:** text-align: left;. This property in CSS (Cascading Style Sheets) is used to align text to the left within an HTML element. Detailed information is available on [Quackit](#).

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Syntax

```
text-align: start | end | left | right | center | justify | match-parent | justify-all
```

Possible Values

start
Specifies that inline-level content is aligned to the start edge of the line box.

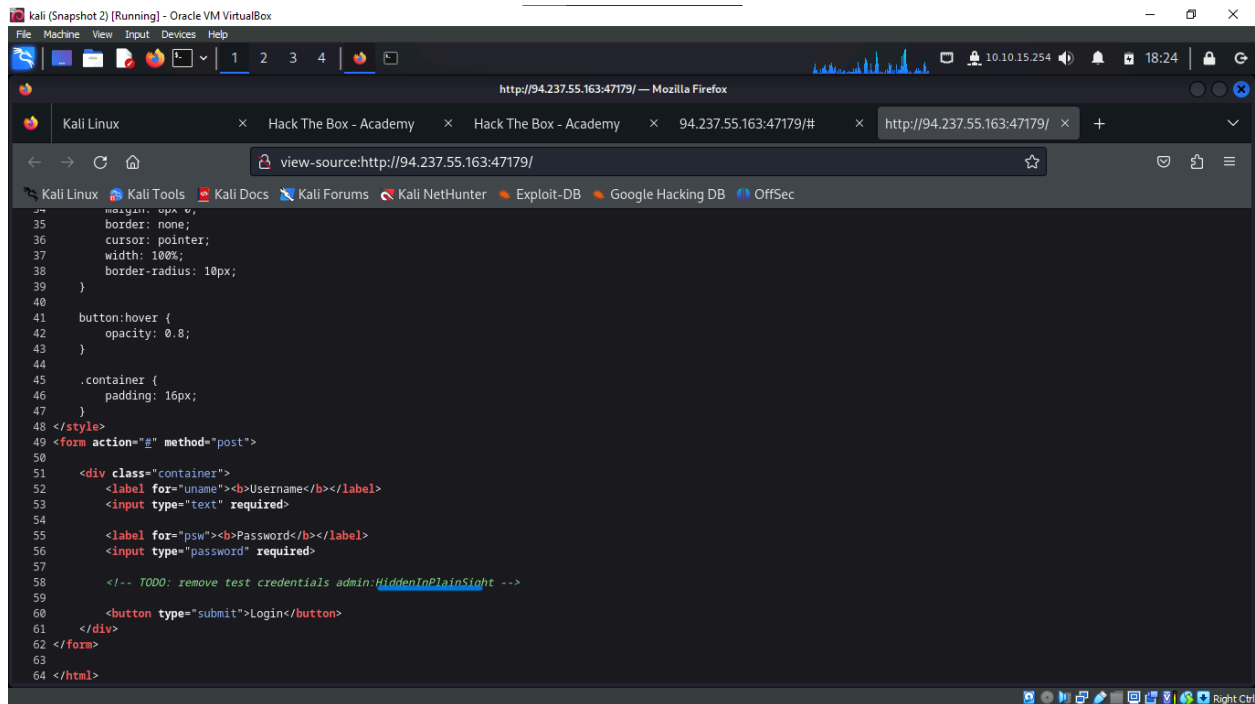
end
Specifies that inline-level content is aligned to the end edge of the line box.

left
Specifies that inline-level content is aligned to the line left edge of the line box. (In vertical writing modes, this will be either the physical top or bottom, depending on the value of the `text-orientation` property.)

right
Specifies that inline-level content is aligned to the line right edge of the line box. (In vertical writing modes, this will be either the physical top or

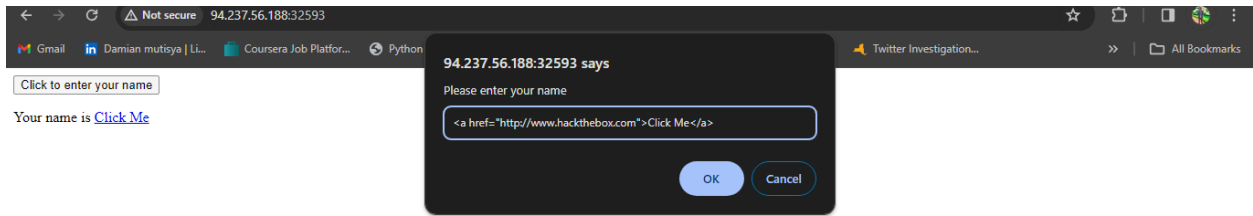
3. Question: Check the above login form for exposed passwords. What is the password?

Answer: HiddenInPlainSight. This indicates a security flaw where passwords are not adequately protected.

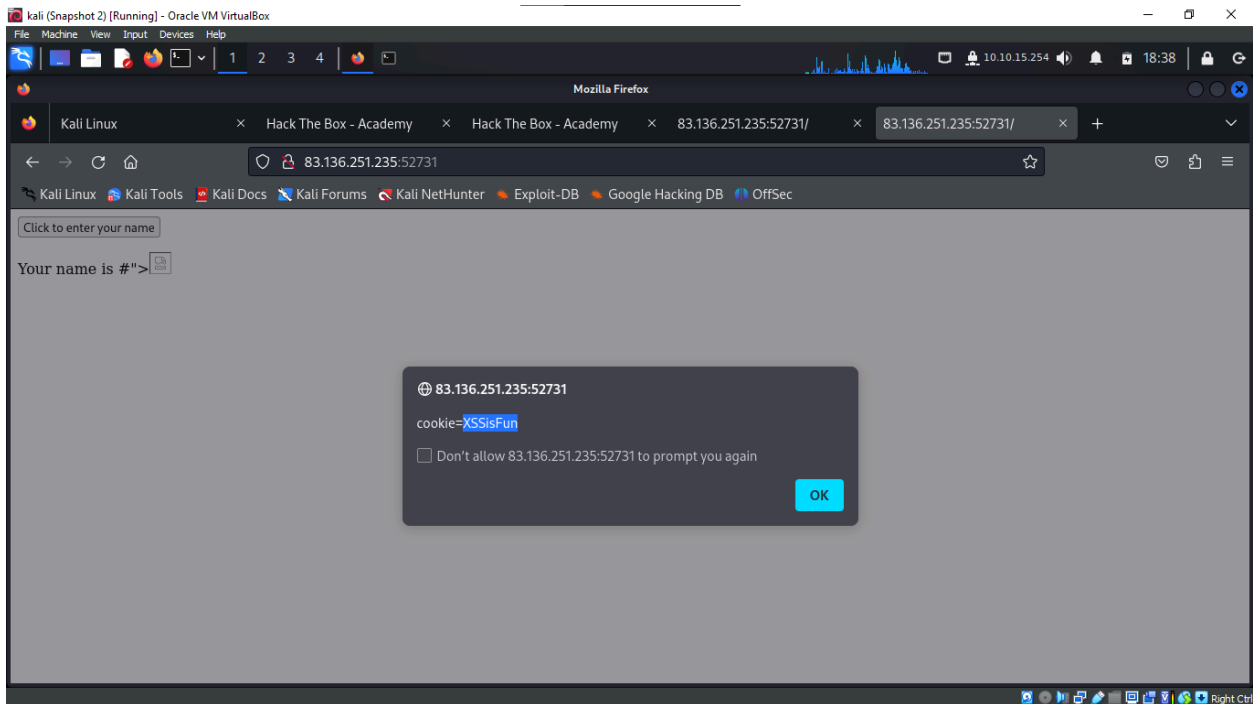


```
35     border: none;
36     cursor: pointer;
37     width: 100%;
38     border-radius: 10px;
39 }
40
41 button:hover {
42     opacity: 0.8;
43 }
44
45 .container {
46     padding: 16px;
47 }
48 </style>
49 <form action="#" method="post">
50
51 <div class="container">
52 <label for="uname"><b>Username</b></label>
53 <input type="text" required>
54
55 <label for="psw"><b>Password</b></label>
56 <input type="password" required>
57
58 <!-- TODO: remove test credentials admin:HiddenInPlainSight -->
59
60 <button type="submit">Login</button>
61 </div>
62 </form>
63
64 </html>
```

4. Question: What text would be displayed on the page if we use the following payload as our input: `Click Me`? **Answer:** Your name is Click Me. This result demonstrates how HTML content can be manipulated through user input.

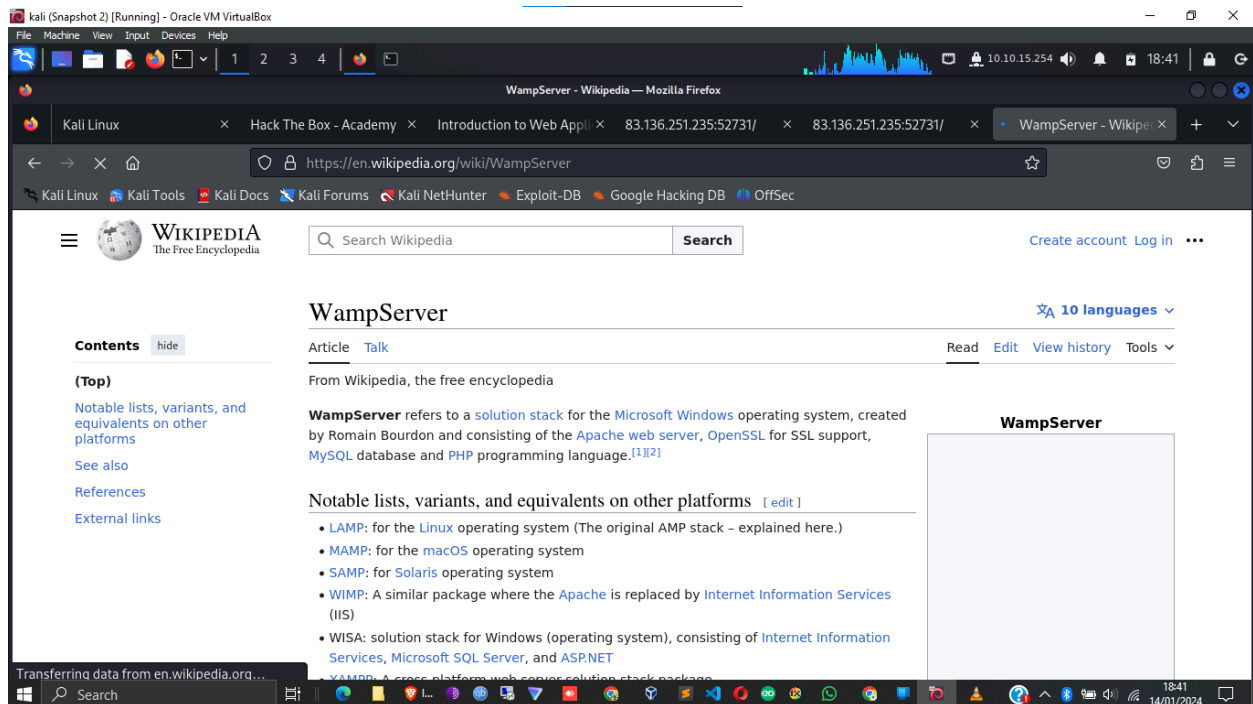


5. Question: Try to use XSS (Cross-Site Scripting) to get the cookie value on the above page. **Answer:** XSSisFun. This answer highlights the risk of XSS attacks, where malicious scripts are injected into trusted websites.

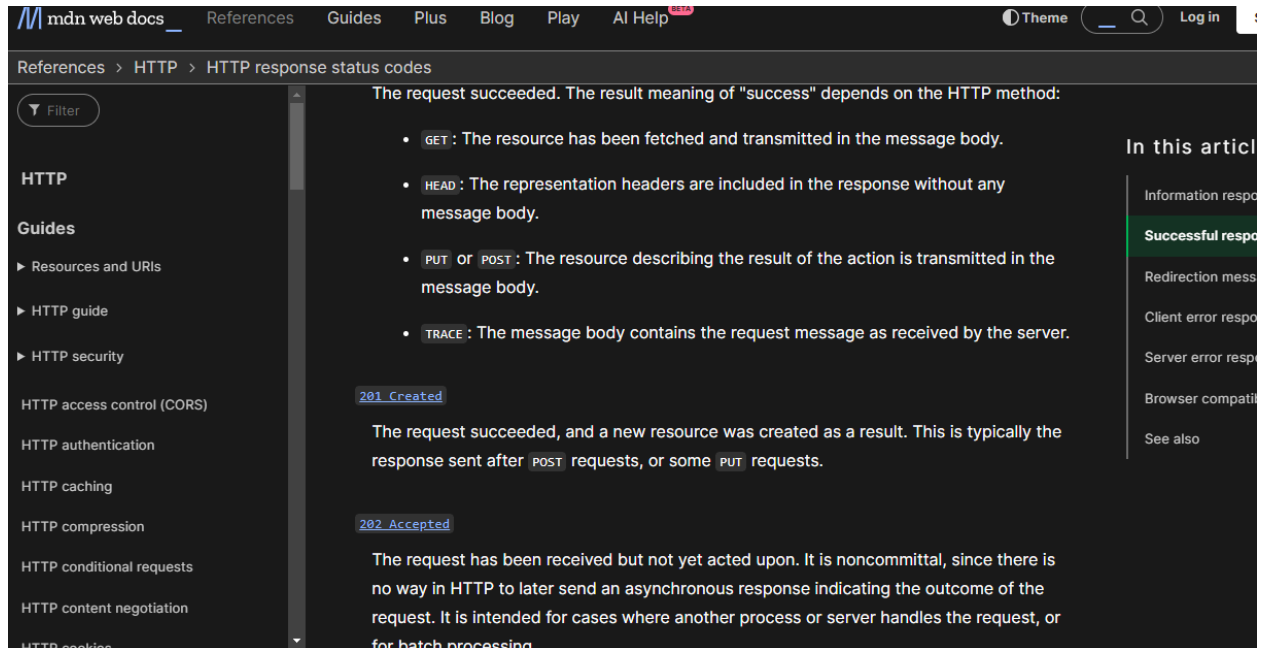


6. Question: What operating system is 'WAMP' used with? **Answer:** Windows. WAMP stands for Windows, Apache, MySQL, and PHP, a software stack for web development on Windows operating systems. For more information,

<https://en.wikipedia.org/wiki/WampServer>

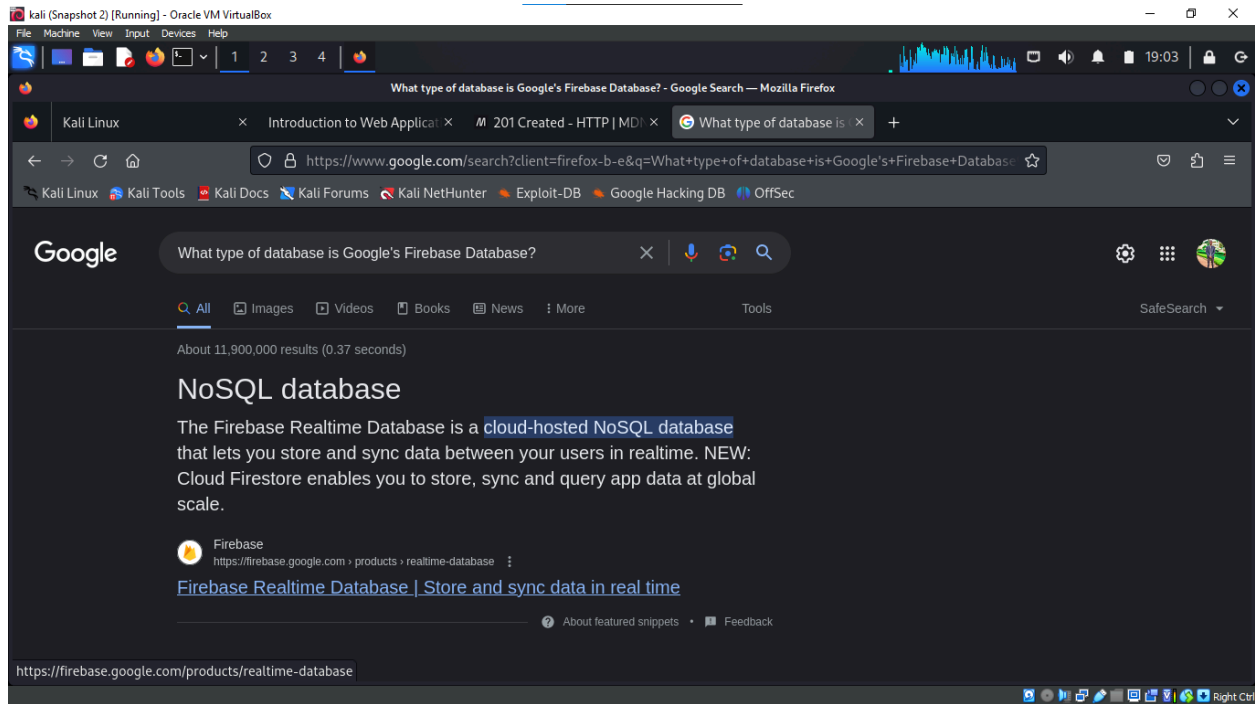


7. Question: If a web server returns an HTTP code 201, what does it stand for? **Answer:** Created. This status code indicates that a request has succeeded and led to the creation of a new resource. Further details can be found on [Mozilla Developer Network \(MDN\)](https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/201).

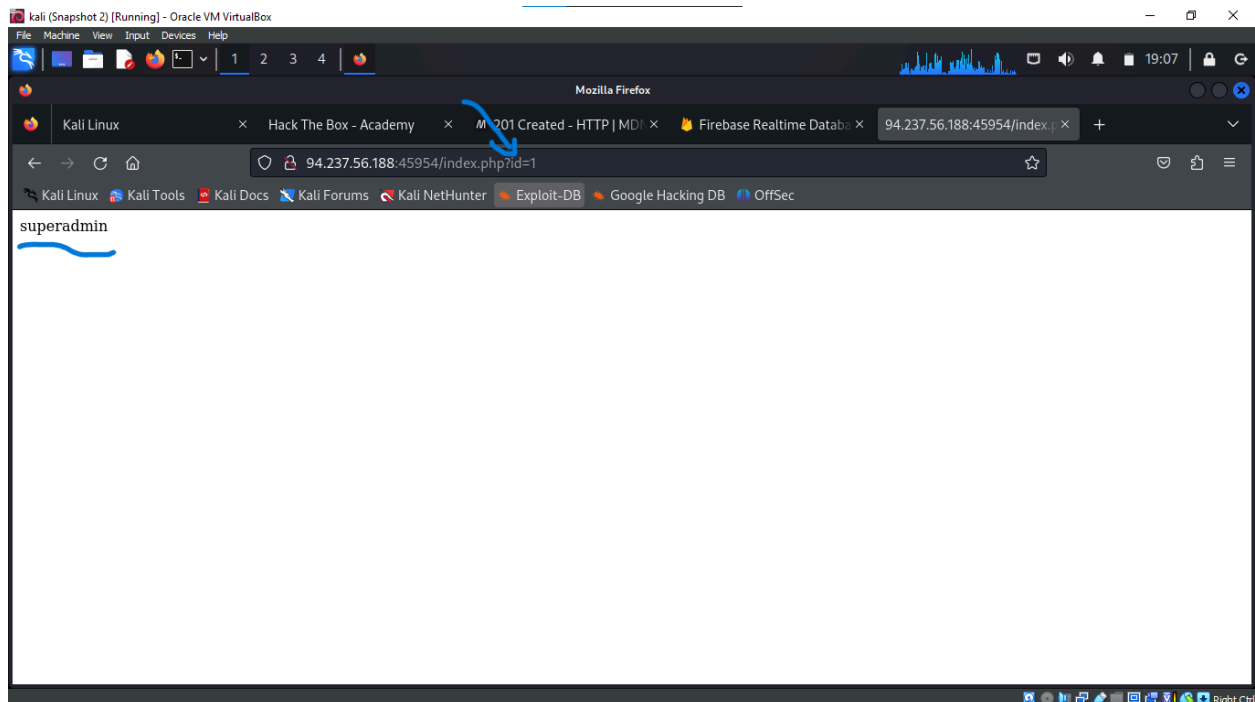


8. Question: What type of database is Google's Firebase Database? **Answer:** NoSQL.

Firebase is a NoSQL database, which stores data in a format other than the tabular relations used in relational databases.



9. Question: Use GET request `'/index.php?id=0'` to search for the name of the user with id number 1? **Answer:** superadmin. This indicates the result of a specific query to a web application, revealing a user's name.



10. Question: To which of the above categories does public vulnerability 'CVE-2014-6271' belong? **Answer:** Command Injection. This vulnerability allows an attacker to execute arbitrary commands on the host operating system. Detailed information is available at the [National Vulnerability Database \(NVD\)](https://nvd.nist.gov/vuln/detail/cve-2014-6271).

The screenshot shows a web browser window in a Kali Linux virtual machine displaying the NVD entry for CVE-2014-6271. The page title is "This CVE is in CISA's Known Exploited Vulnerabilities Catalog". Below this, there is a table with the following data:

Vulnerability Name	Date Added	Due Date	Required Action
GNU Bourne-Again Shell (Bash) Arbitrary Code Execution Vulnerability	01/28/2022	07/28/2022	Apply updates per vendor instructions.

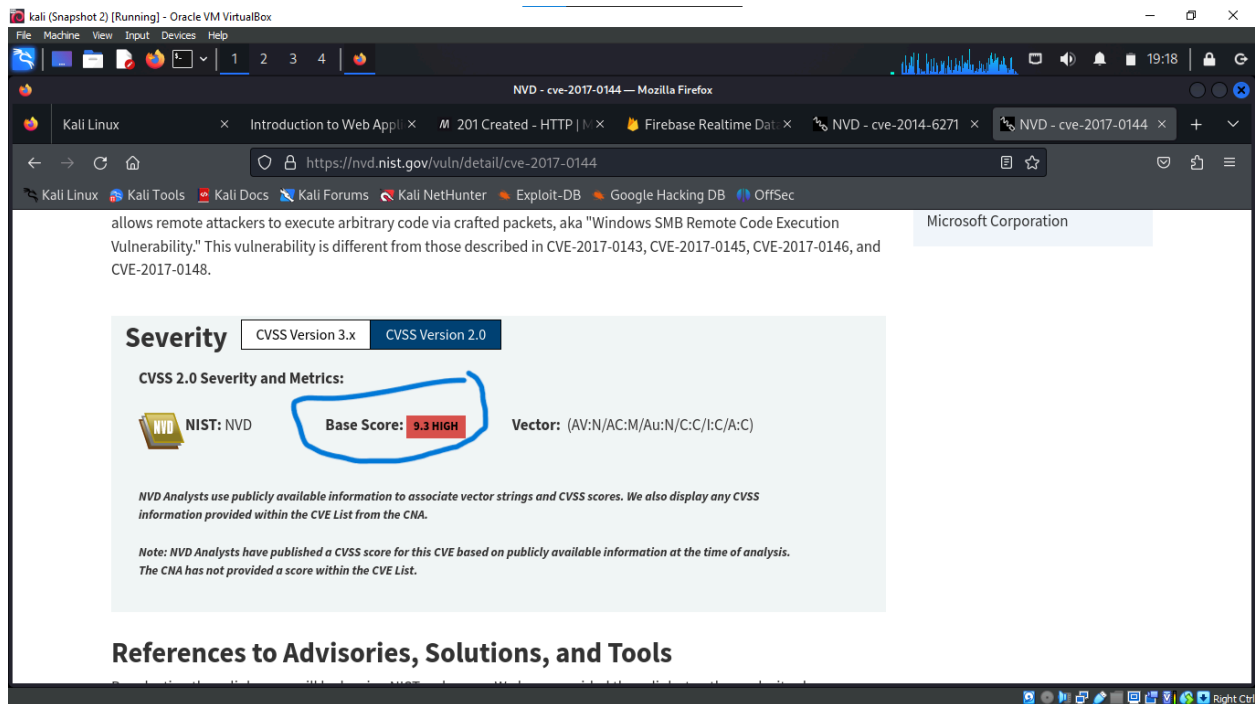
Below the table, there is a section titled "Weakness Enumeration" with a table showing the following data:

CWE-ID	CWE Name	Source
CWE-78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	NIST

Below this, there is a section titled "Known Affected Software Configurations" with a table showing the following data:

Configuration 1 (hide)
cpe:2.3:a:gnu:bash:1.14.0:*:*:*:*:*
cpe:2.3:a:gnu:bash:1.14.1:*:*:*:*:*

11. Question: What is the CVSS score of the public vulnerability CVE-2017-0144? **Answer:** 9.3. The CVSS (Common Vulnerability Scoring System) score reflects the severity of the vulnerability, with 9.3 indicating a critical level. More details can be found on the [NVD website](https://nvd.nist.gov/vuln/detail/cve-2017-0144).



Conclusion

This report provides an introductory overview of various aspects of web applications, highlighting key areas in web development and cybersecurity. Understanding HTML and CSS is fundamental for designing web interfaces, while recognizing and mitigating security vulnerabilities like XSS and command injection is crucial for protecting web applications. Familiarity with server setups like WAMP and database types such as NoSQL are also important for backend development and data management. Lastly, awareness of specific vulnerabilities and their severity, as indicated by CVSS scores, is essential for maintaining robust security postures in web development and operations.

Please find attached sharable link outlining my achievement and completion of the course.

<https://academy.hackthebox.com/achievement/949661/75>

