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ID: 1809799

Reflected XSS into a JavaScript string with angle brackets HTML encoded.

We will try first to check if the site runs straight forward scripts.

Reflected XSS into a JavaScript string with angle brackets HTML encoded

LAB

Not solved



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WE LIKE TO
BLOG

Search

No alert message was displayed.

Reflected XSS into a JavaScript string with angle brackets HTML encoded

LAB

Not solved



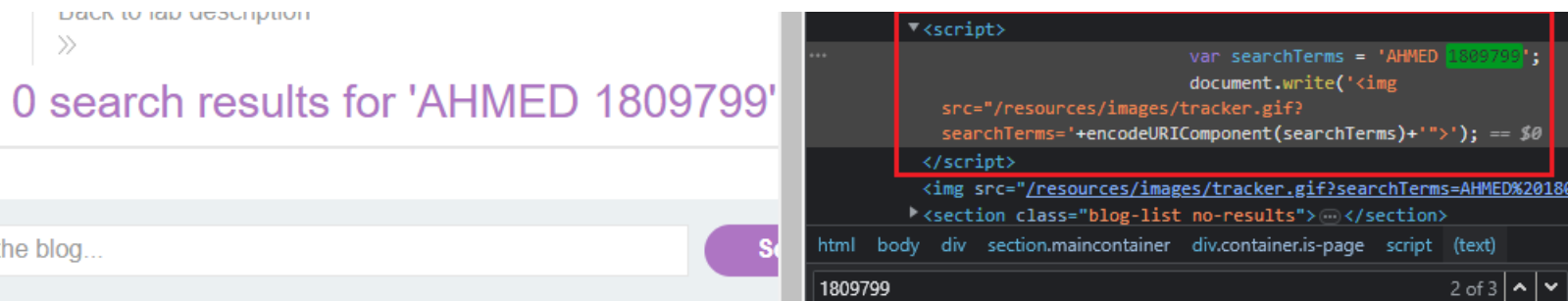
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0 search results for '<script> alert("AHMED 1809799")
</script>'

Search

Let's check if what is typed in the Search field is written in HTML tags or not.



The screenshot shows a web application interface with a search bar containing the text "0 search results for 'AHMED 1809799'". Below the search bar is a text input field with the placeholder "the blog..." and a purple "Search" button. To the right, a developer console is open, displaying a JavaScript error: "Uncaught SyntaxError: Invalid or unexpected token". The console shows a script tag with the following code:

```
var searchTerms = 'AHMED 1809799';
document.write(''); == $0
```

 The error is highlighted in red, and the search terms are highlighted in green.

It appears that it isn't found in an HTML tag, however it is found in a JavaScript tag. We can manipulate the variable that we type in and make sure we take care of that single quote at the end.

We can give whatever value to the variable, call alert() function and at last define a variable to take care of that single quote at the end. Don't forget to add semicolons between each statement.

Our Payload could be: AHMED' ; alert(); let v='a



Reflected XSS into a JavaScript string with angle brackets HTML encoded

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LAB Solved 

Congratulations, you solved the lab!

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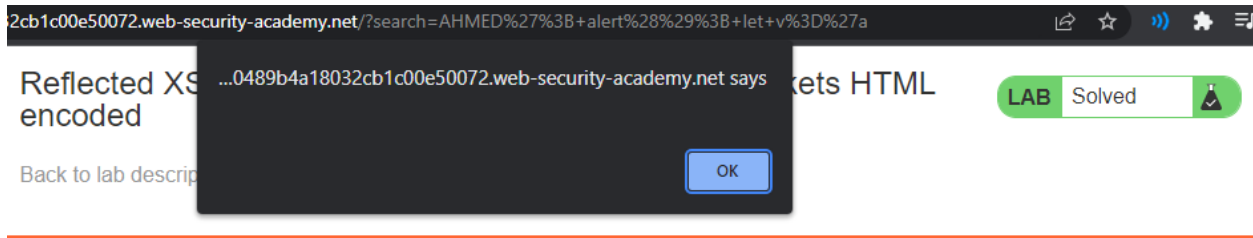
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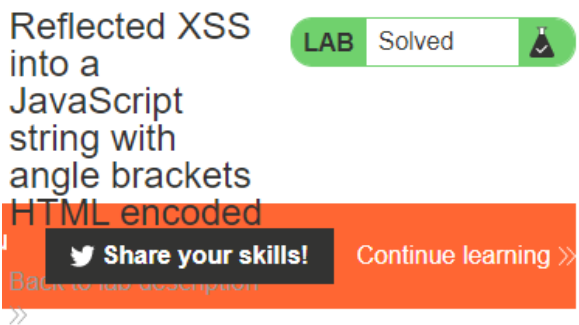
0 search results for 'AHMEDâ€² ; alert(); let v=â€²a'

AHMED'; alert(); let v='a

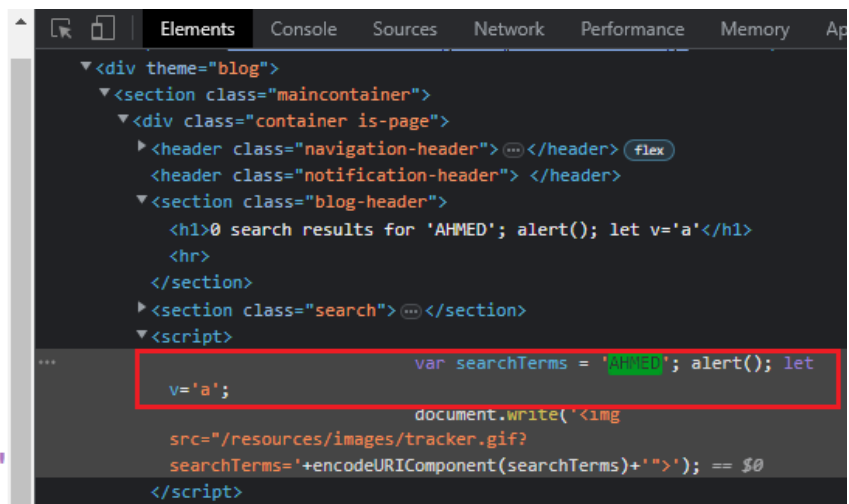
Search



When we open Page Source, we will see how JavaScript code was disguised and run resulting in the alert() function executed.



results for 'AHMED'; alert(); let v='a'



Learning Outcomes:

1. Making content of “Search” field in JavaScript tags will lead to XSS vulnerability with executing whatever JavaScript code inside. Also searching in Page’s source is a good idea to notice simple vulnerabilities.
2. Any field that user can interact with is the 1st to be exploited by attackers to test if it’s vulnerable to XSS attacks or not, so such fields should be secured.
3. Web Developer mustn’t make any script run easily in those fields by applying policies such as Content Security Policy (CSP).