Ahmed Khaled Saad Ali Mekheimer

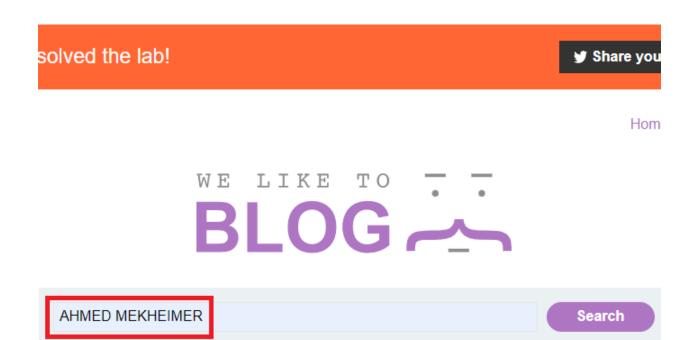
ID: 1809799

Reflected XSS into attribute with angle brackets HTML-encoded

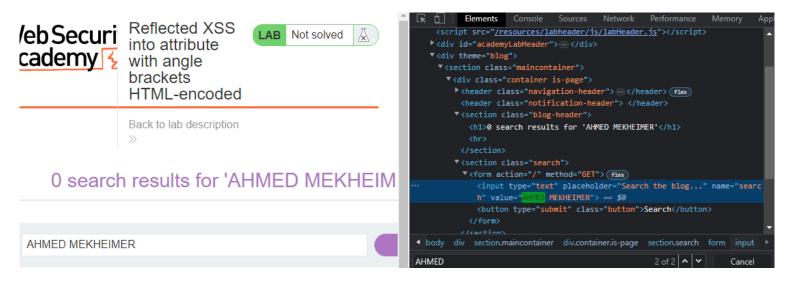
Since it is mentioned that a reflected cross-site scripting vulnerability in the search blog functionality where angle brackets are HTML-encoded, we will first observe the GET request of "Search" field.

Reflected XSS into attribute with angle brackets HTML-encoded

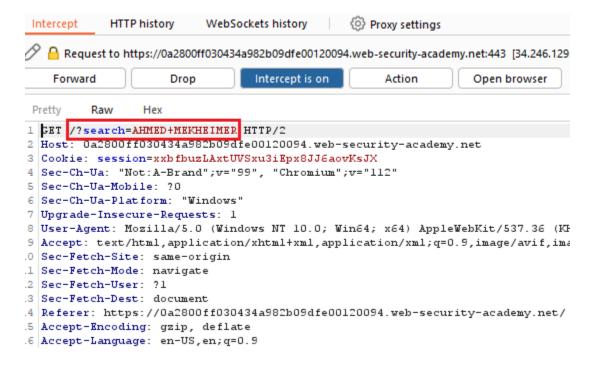
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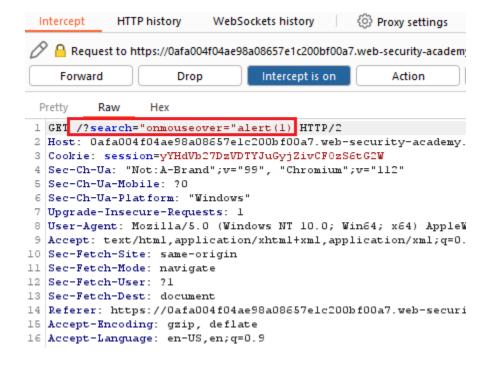
When we check Page Source, we see that what is typed in Search field is written in an "input" tag in HTML, so we can manipulate this and add an Event Listener.



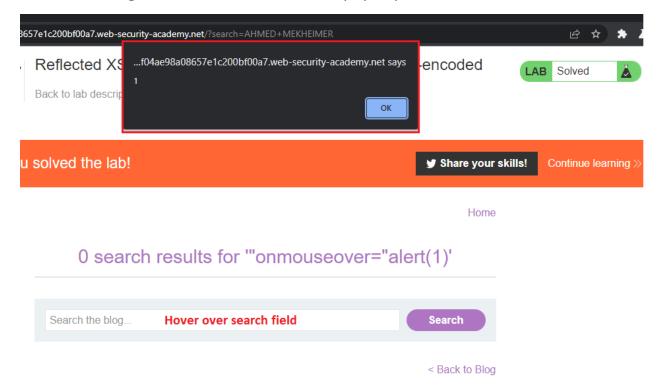
We also observe the below GET request, carelessly shows search attribute can be modified.



So, we will insert in it an Event Listener on mouse moving on the "Search" field. Then forward.



When hovering over search field, the alert pops up. Lab Solved.



Learning Outcomes:

- 1. Making content of "Search" field in HTML tags will lead to XSS vulnerability with executing whatever HTML or CSS or JavaScript code inside.
- 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).