

CSE-2010

Secure Coding(L23 + L24)

Lab - 5

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How Secure Coding is related to XSS?

Cross-site scripting is a vulnerability that occurs when an attacker can insert unauthorized JavaScript, VBScript, HTML, or other active content into a web page viewed by other users. A malicious script inserted into a page in this manner can hijack the user session, submit unauthorized transactions as the user, steal confidential information, simply deface the page.

Secure Code Against Cross-Site Scripting

1. Using modern JavaScript frameworks and templating for rendering user

input

2. Encoding should be applied to all server side generated content.
3. Additional encoding of single quotes required
4. Dangerous HTML contexts should be handled with care or avoided

Reflected XSS on Demo Website?

Payload :-

`<u> 18BCN7133 </u>`



Sorry, no results were found for **18bcn7133**. [Try again.](#)

Payload :-

`<script>alert("18BCN7133")</script>`

An embedded page at xss-doc.appspot.com says

18BCN7133

OK

Payload :-

` `

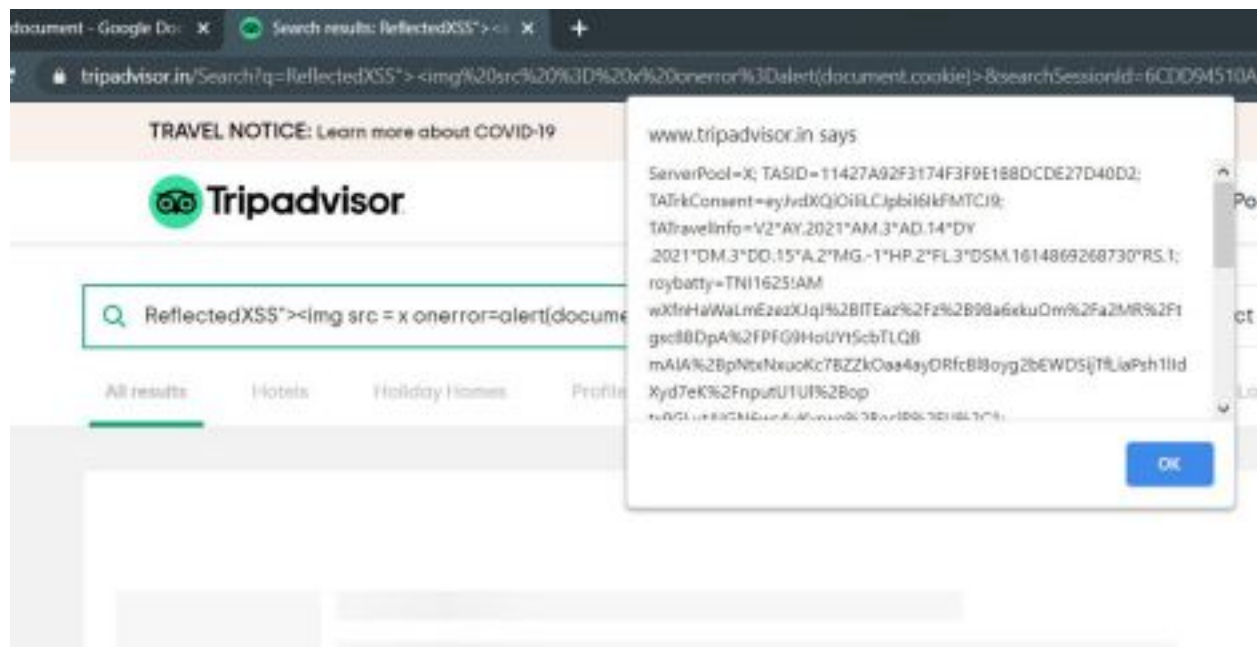
ed

An embedded page at xss-doc.appspot.com says

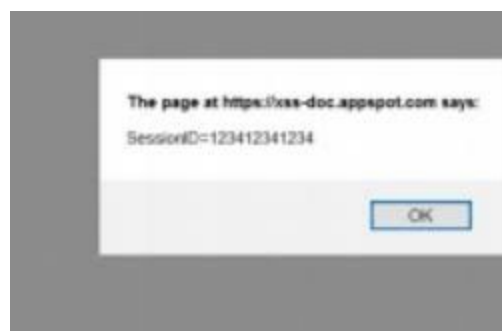
1

OK

Demo on Live Website



Stored XSS on Demo Website?

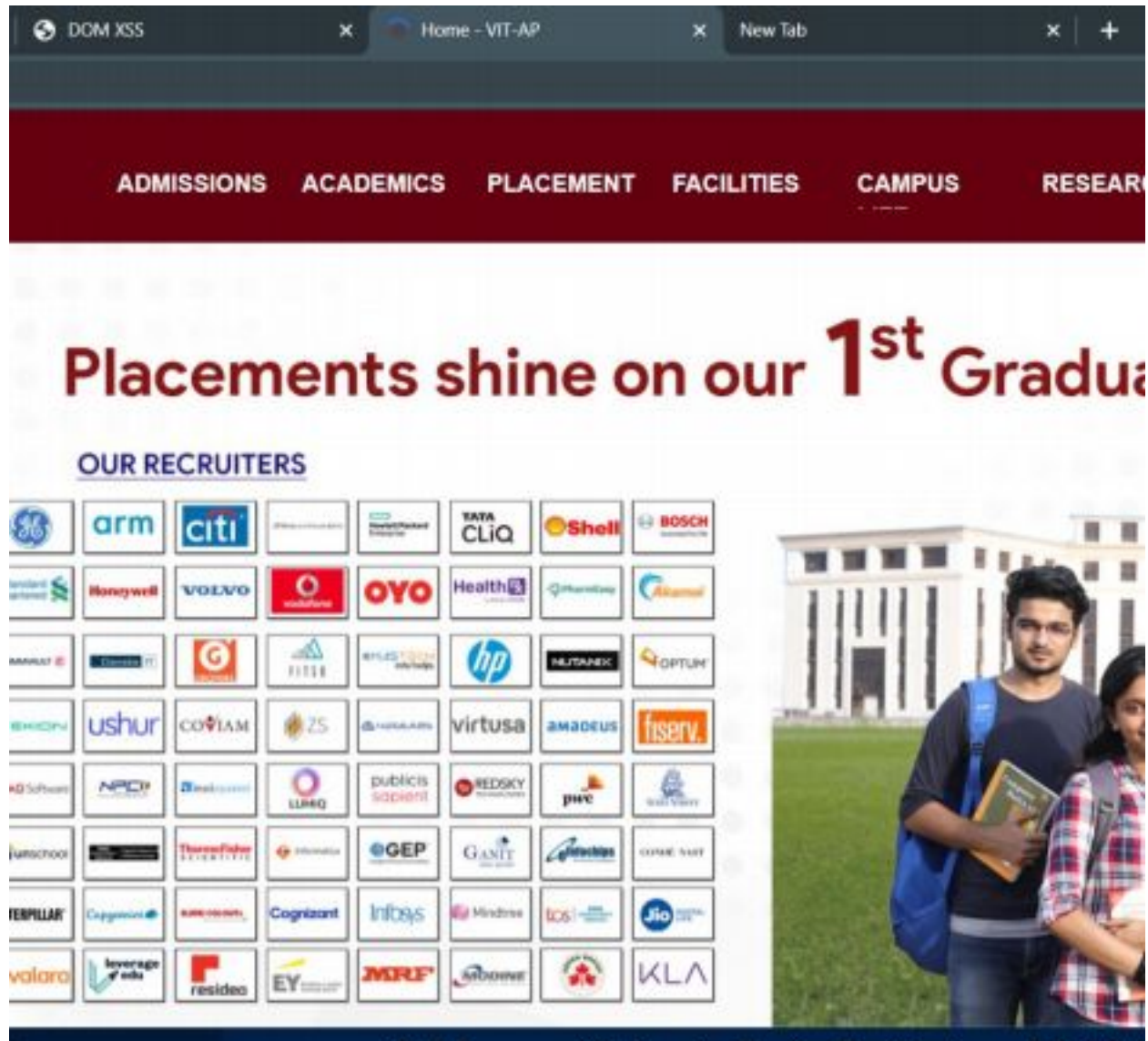


DOM Based XSS on Demo Website?

← → ↻ 🔒 <https://brutellogic.com.br/tests/sinks.html?name=harsha%20vardhan>

Hello, harsha vardhan!

← → ↻ 🔒 <https://brutellogic.com.br/tests/sinks.html?redir=https://vitap.ac.in/>



Solution of alf.nu/alert1