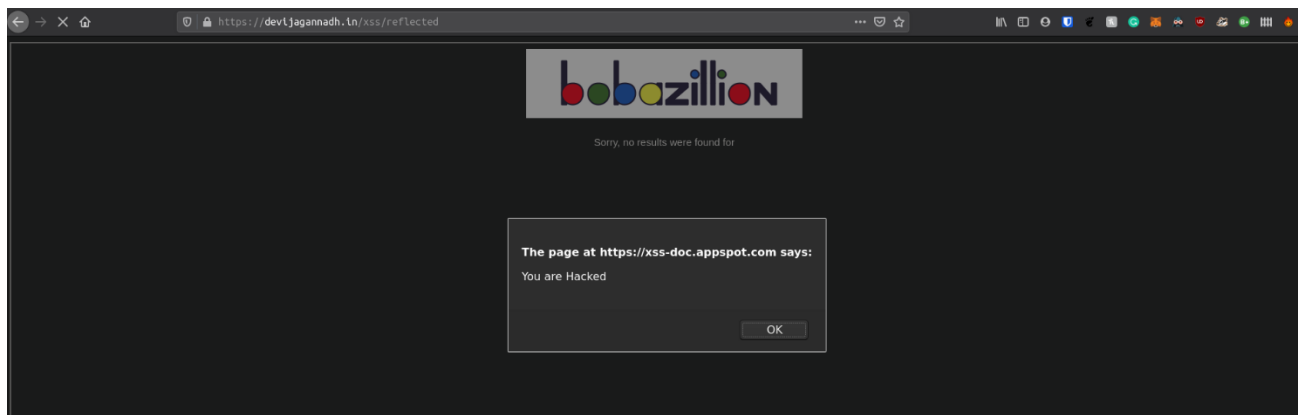


How is secure coding related to XSS?

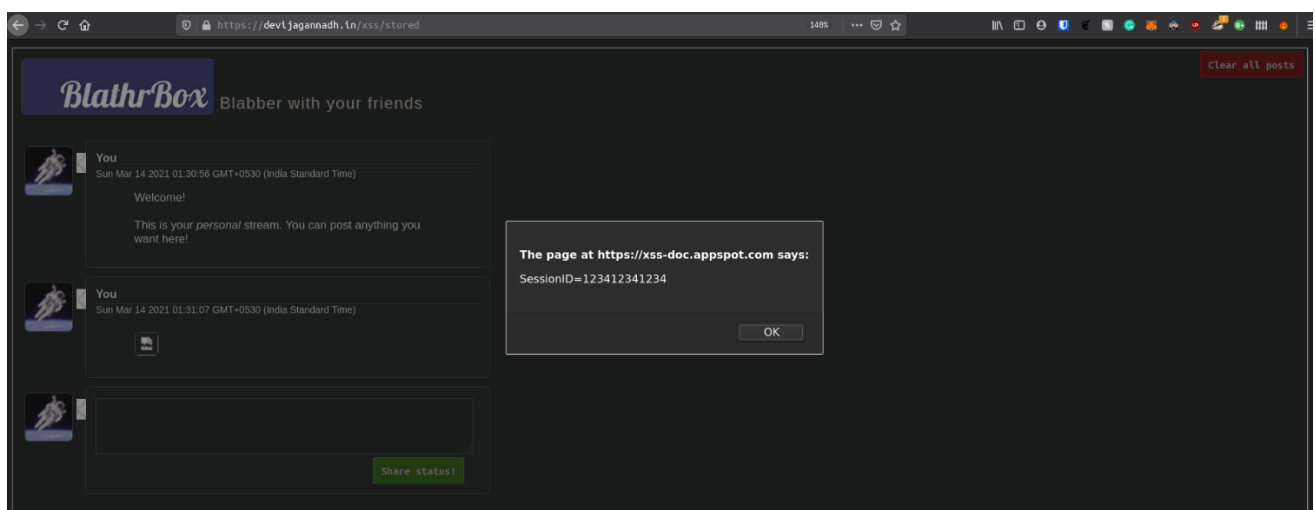
Cross-site scripting (also known as XSS) is a web security vulnerability that allows an attacker to compromise the interactions that users have with a vulnerable application. It allows an attacker to circumvent the same origin policy, which is designed to segregate different websites from each other. Cross-site scripting vulnerabilities normally allow an attacker to masquerade as a victim user, to carry out any actions that the user can perform, and to access any of the user's data. If the victim user has privileged access within the application, then the attacker might be able to gain full control over all the application's functionality and data.

To avoid such vulnerabilities, safe practices under secure coding must be adopted.

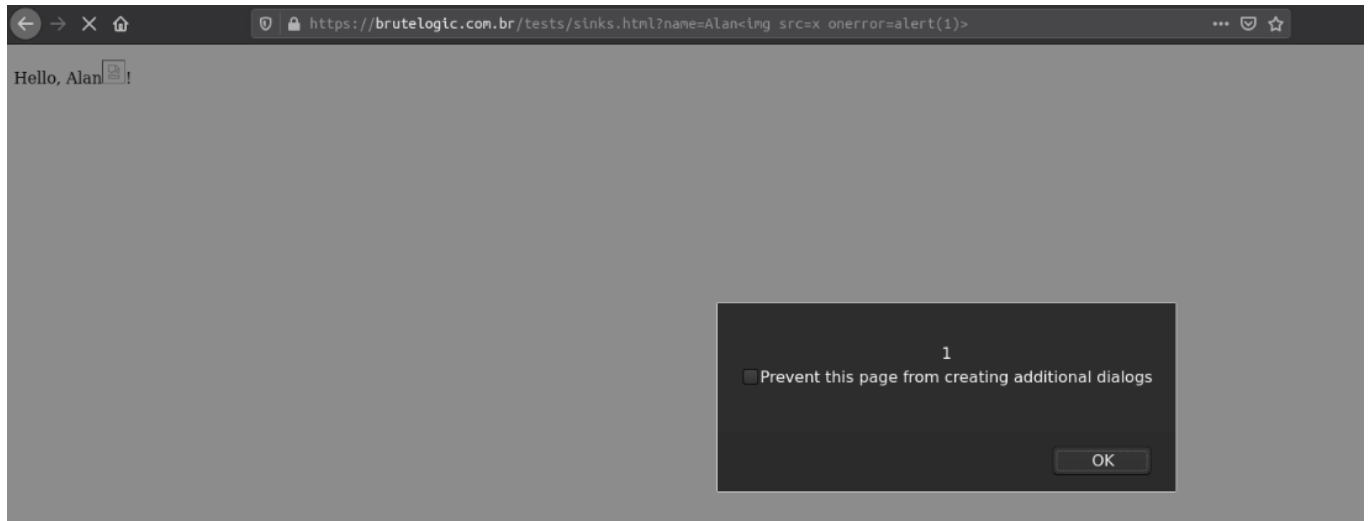
Reflected XSS on demo website:



Stored XSS on demo website:



DOM XSS on demo website:



Challenge: alf.nu/alert1

The screenshot shows the "alert(1) to win" challenge page on `alf.nu/alert1`. The page contains a code editor with the following code:

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

The input field contains the text: `"); alert(1); console.log("Success"`. The output field shows "Win!". The console output shows "Success".

On the right side, there is a "Warmup (25)" section with a table:

Warmup (25)
Adobe
JSON

At the bottom, there is a leaderboard table titled "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
Sai Vamsi	12	Chrome/89
ma	12	Chrome/88
Kyzer 12	12	Firefox/84
._- rick roll	12	Chrome/88
DylanB Easy pizy	12	Chrome/88
popsoda 12	12	Chrome/87
aromatix	12	Chrome/88
meh	12	Chrome/88
shriah 143	12	Chrome/88
firefly thanks	12	Firefox/86
robotic o/	12	Firefox/87