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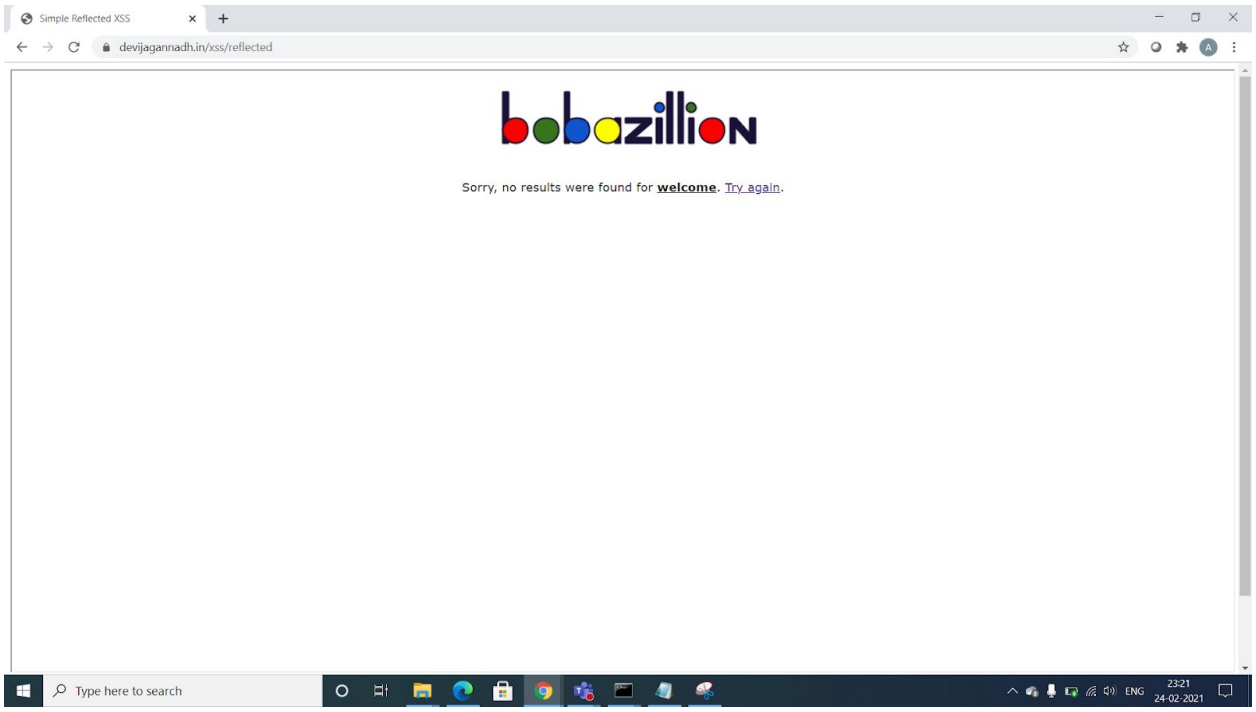
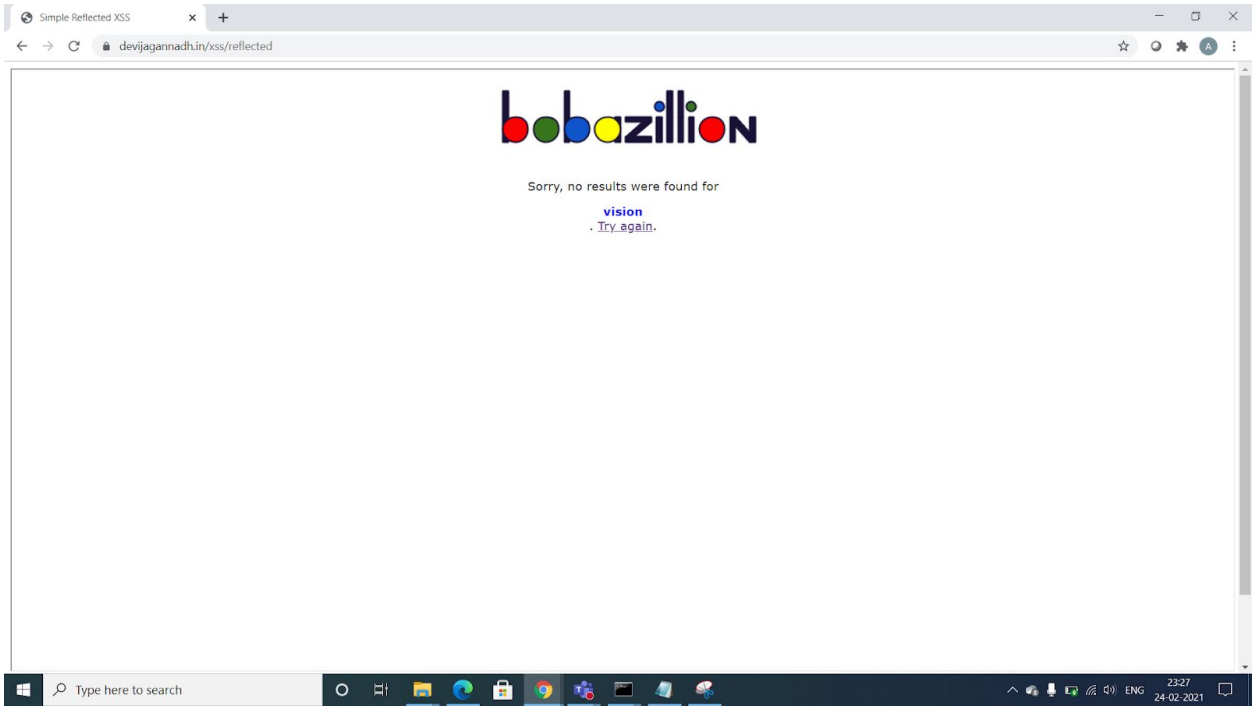
Lab:5-Secure coding

How secure is coding related to XSS?
Cross-site scripting (also known as XSS) is a websecurity vulnerability thatallows an attacker to compromise the interactionsthat users have with a vulnerableapplication. It allows an attacker to circumvent thesame origin policy, which is designedto segregate different websites from each other.Cross-site scripting vulnerabilities normally allowan attacker to masquerade as avictim user, to carry out any actions that the useris able to perform, and to access anyof the user's data. If the victim user has privilegedaccess within the application, thenthe attacker might be able to gain full control overall of the application's functionalityand data

Reflected XSS:
<u>welcome</u>
vision




Simple Reflected XSS
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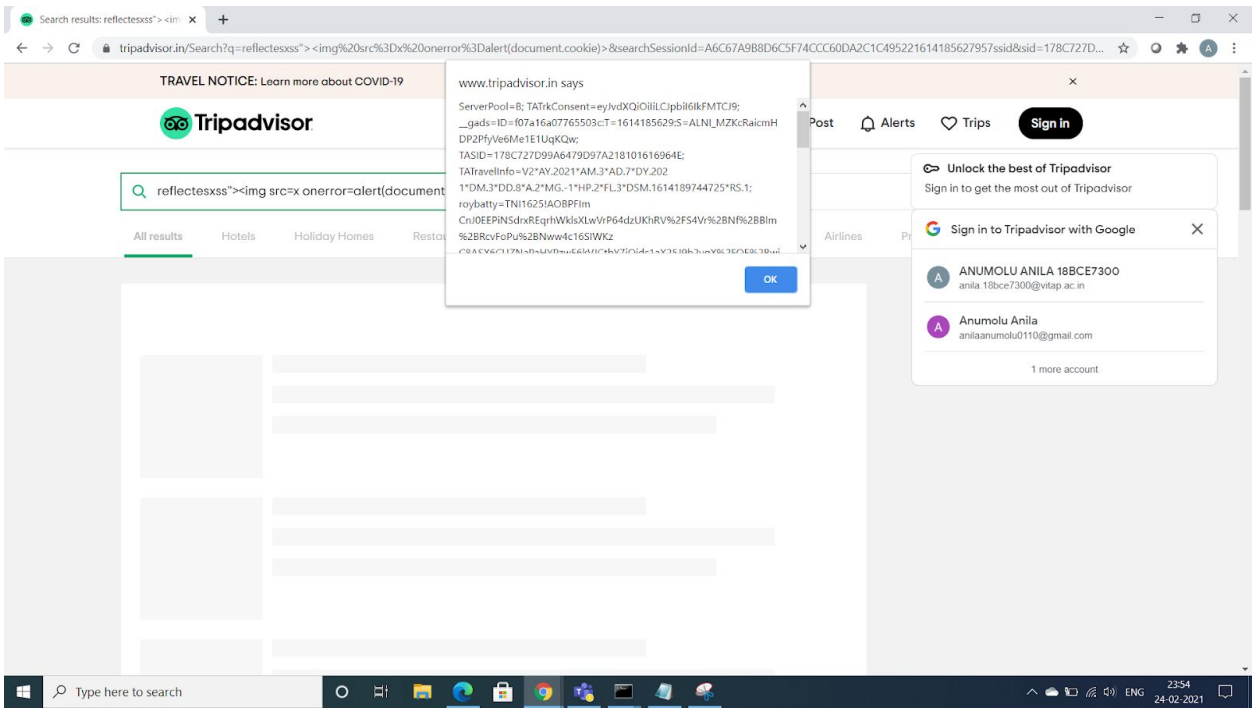
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ServerPool=B; TATrkConsent=eyJvdXQiOiIiLCJpbiI6IkFMTCJ9;
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Holiday Homes
Airlines
Unlock the best of Tripadvisor
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anilaanumolu0110@gmail.com
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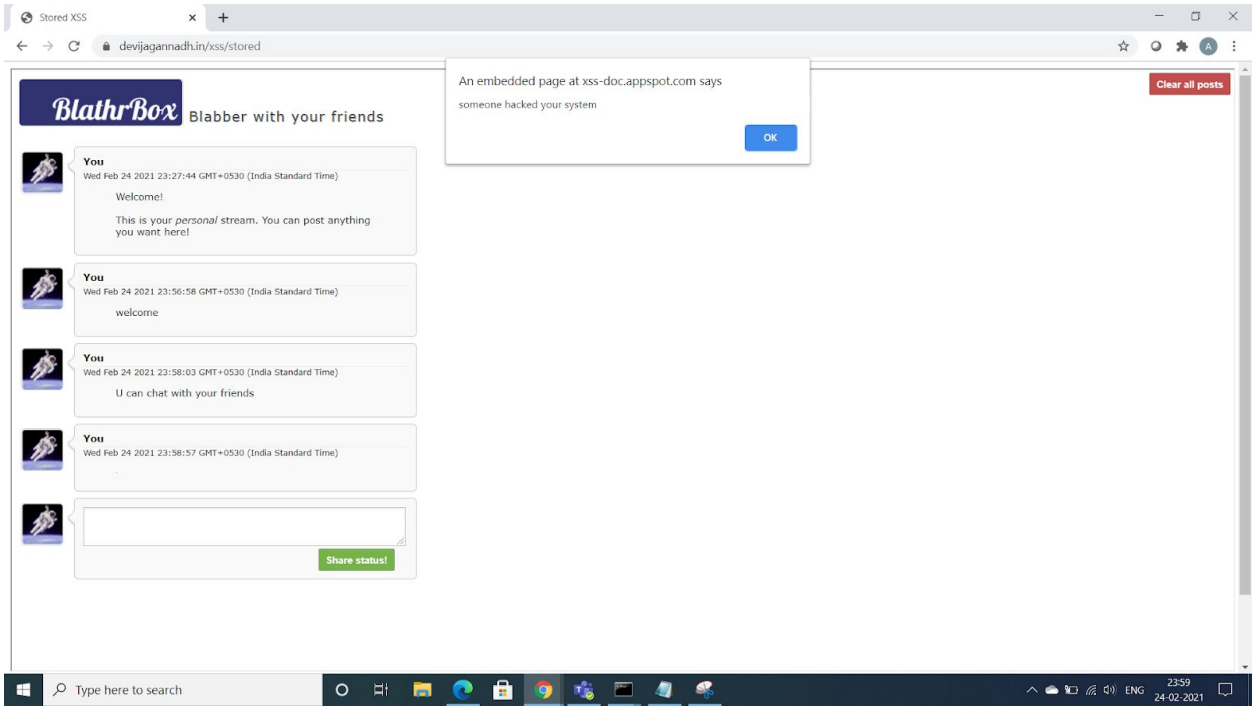
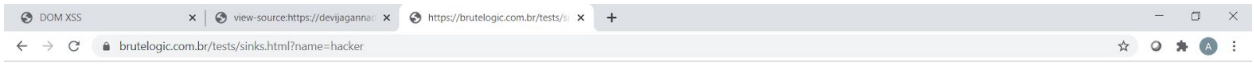
24-02-2021

Stored XSS:

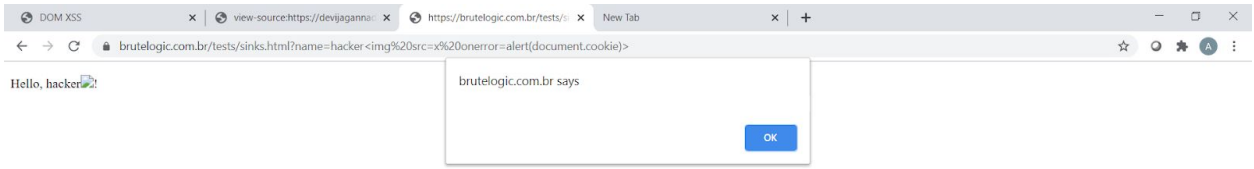


DOM XSS:

http://brutelogic.com.br/tests/sinks.html?name=hacker
http://brutelogic.com.br/tests/sinks.html?redir=javascript:alert(404 error)



Hello, hacker!



Hello, hacker!

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: ★★★★★

czapek :-|	? 12	Chrome/87
Terribilis	? 12	Firefox/84
DylanB Easy pizy	? 12	Chrome/88
popsoda 12	? 12	Chrome/87
aromatix	? 12	Chrome/88
coco 0? really?	? 12	Chrome/87
shrish 143	? 12	Chrome/88

alert(1) to win

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

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

Input 14

```
\");alert(1)//
```

Output Win!

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

Console output

```
\
```

Rate this level: ★★★★★

User	Score	Browser
Can you make it -1? d0gkiller87	? 0	Chrome/81
... shabbyMe	? 0	Firefox/77
Fleey so easy by Fleey	? 1	Chrome/74