**SECURE CODING LAB**

**Nishank Verma**

**19BCN7131**

2-Report should include :

## How secure coding related to XSS?

By the XSS we can find the vulnerabilities in the websites and those vulnerability may attract the hackers so they can exploit the user and get their data. An Ethical hacker may search for the vulnerabilities and by reporting it to companies may overcome those vulnerabilities.

# Rxss on demo website

bobazillion

`<script>alert(0)</script>` Search
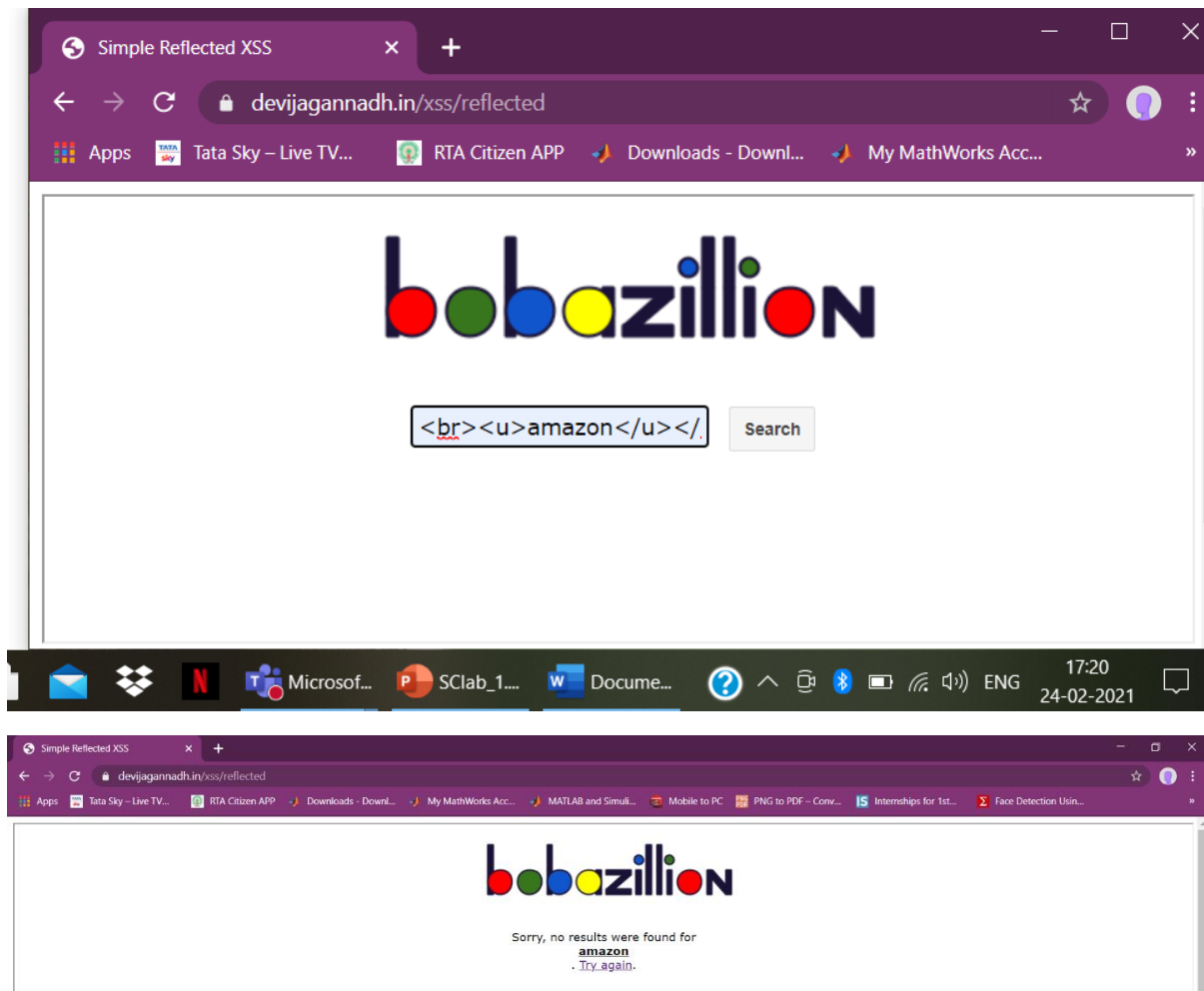
An embedded page at xss-doc.appspot.com says

0

OK

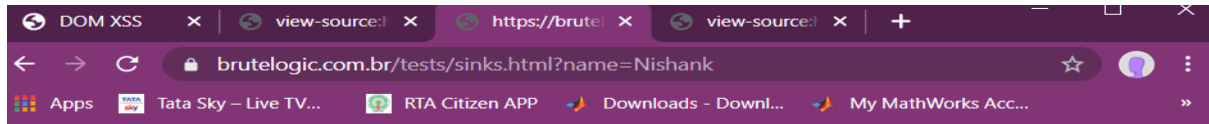Apps | Tata Sky – Live TV... | RTA Citizen APP | Downloads - Downl... | My MathWorks Acc... | »

bobazillion

`src=s oneerror=alert(1)>` Search

bobazillion

Sorry, no results were found for . Try again.

# Stored xss on demo website
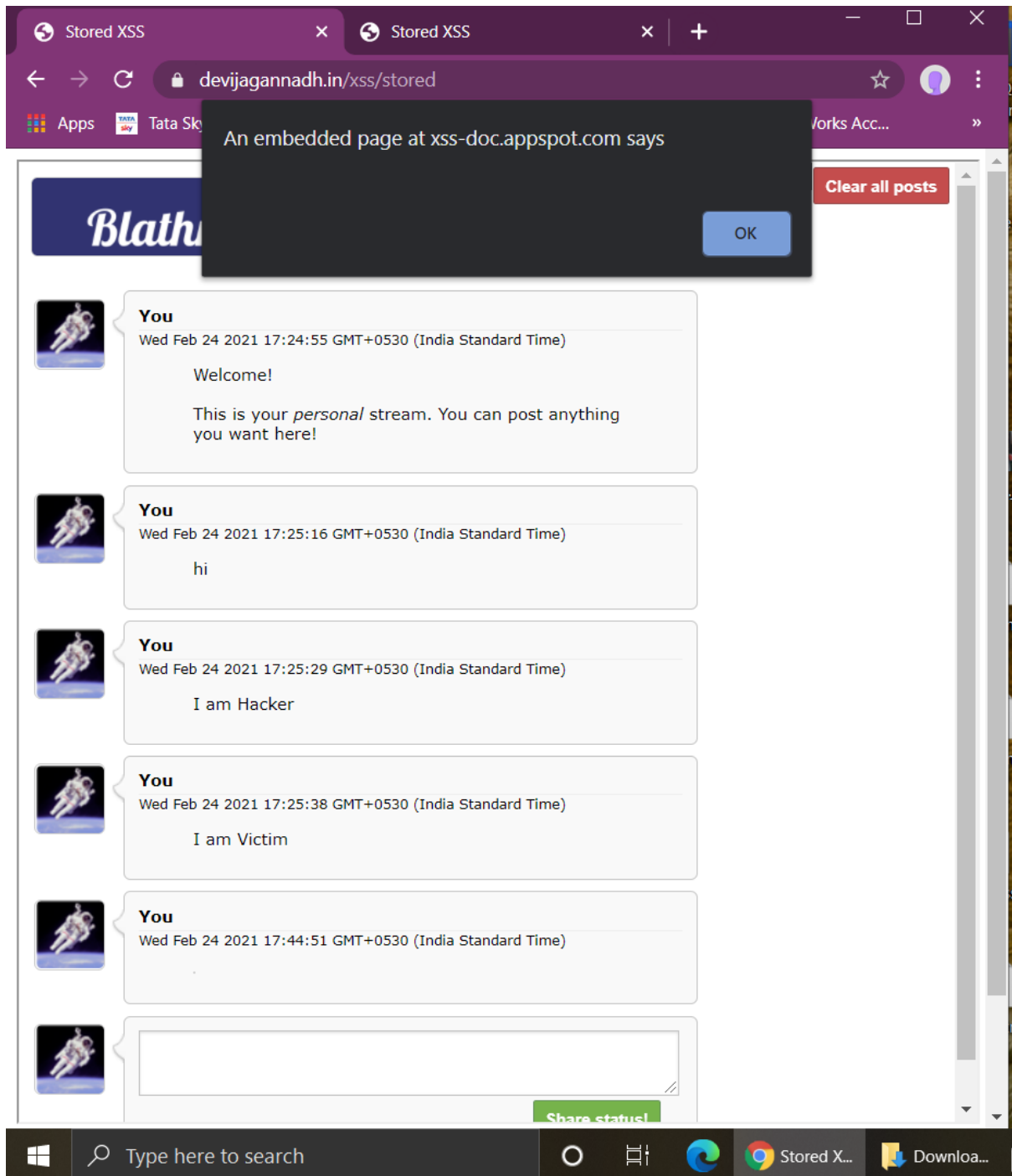
# DOM xss on demo website



Hello, Nishank!
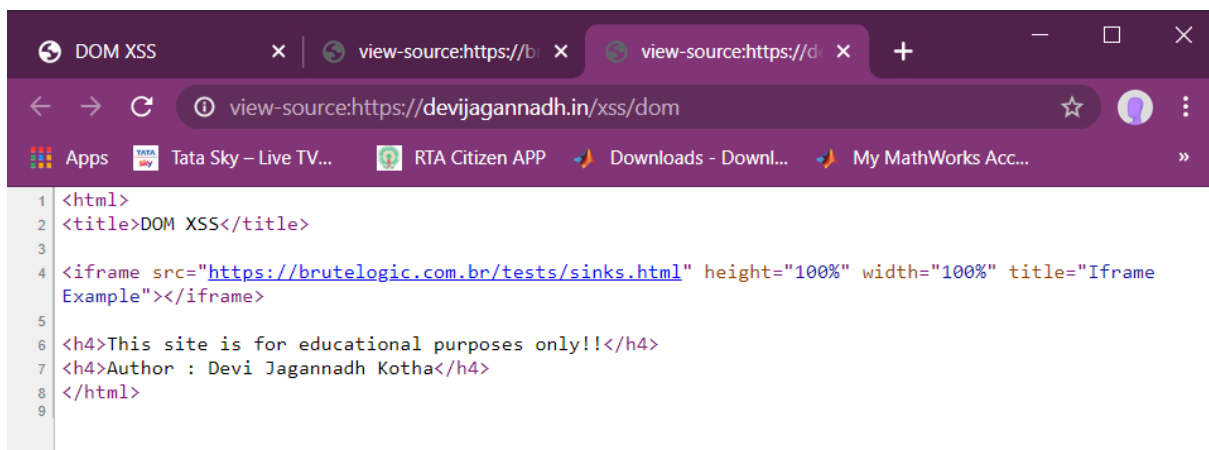


```
1  <html>
2  <title>DOM XSS</title>
3
4  <iframe src="https://brutelogic.com.br/tests/sinks.html" height="100%" width="100%" title="Iframe
   Example"></iframe>
5
6  <h4>This site is for educational purposes only!!</h4>
7  <h4>Author : Devi Jagannadh Kotha</h4>
8  </html>
9
```

```html
1  <!DOCTYPE html>
2  <body>
3  <p id="p1">Hello, guest!</p>
4  <script>
5
6      var currentSearch = document.location.search;
7      var searchParams = new URLSearchParams(currentSearch);
8
9      /*** Document Sink ***/
10
11     var username = searchParams.get('name');
12
13     if (username !== null) {
14         document.getElementById('p1').innerHTML = 'Hello, ' + username + '!';
15     }
16
17     /*** Location Sink ***/
18
19     var redir = searchParams.get('redir');
20
21     if (redir !== null) {
22         document.location = redir;
23     }
24
25     /*** Execution Sink ***/
26
27     var nasdaq = 'AAAA';
28     var dowjones = 'BBBB';
29     var sp500 = 'CCCC';
30
31     var market = [];
32     var index = searchParams.get('index').toString();
33
34     eval('market.index=' + index);
35
36     document.getElementById('p1').innerHTML = 'Current market index is ' + market.index + '.';
37
38 </script>
39 </body>
40 </html>
41
```

**Redirecting the webpage to the word press website**
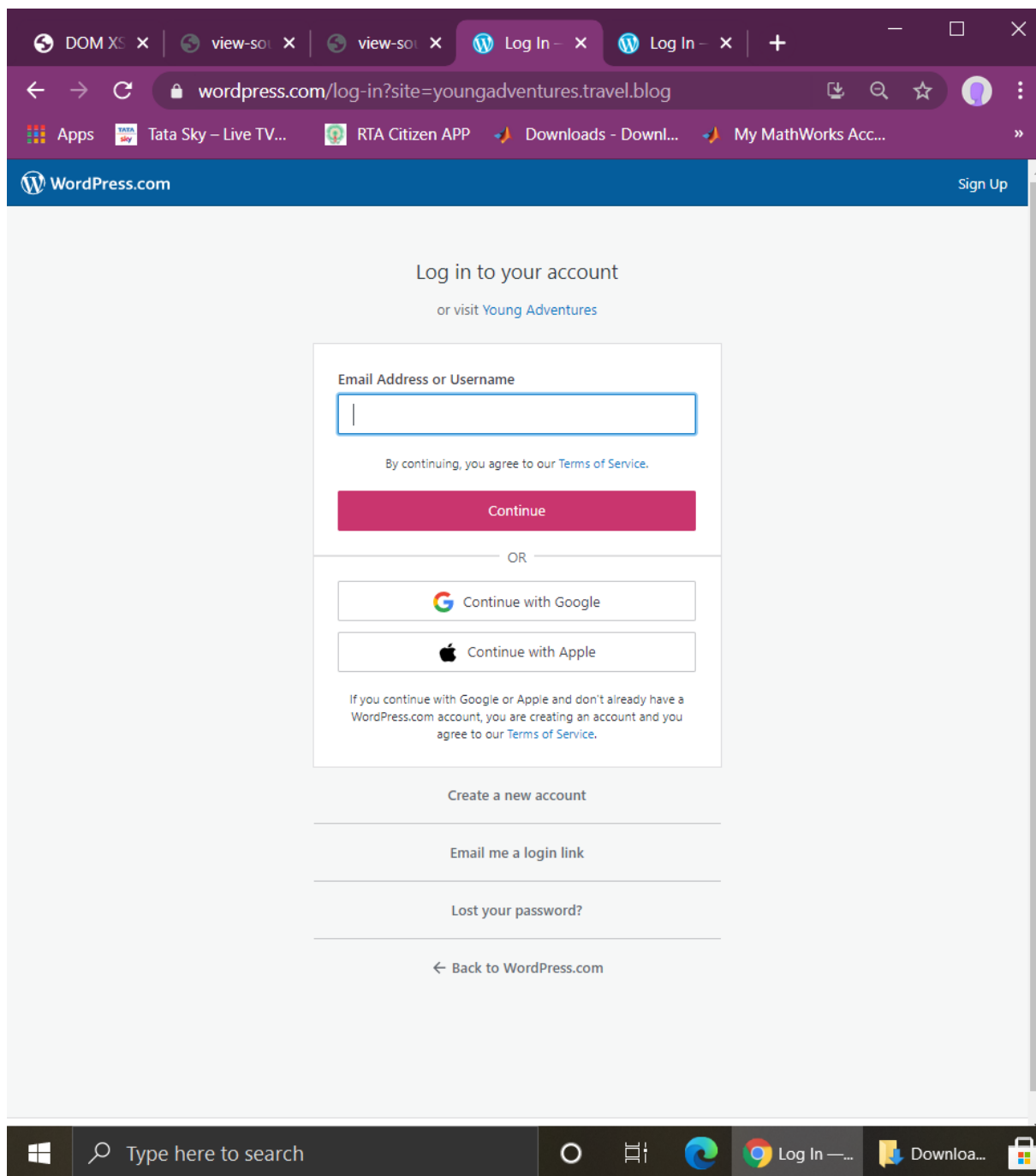
**Solution of alf.nu/alert1**

**3-Links :**

devijagannadh.in/xss/reflected

devijagannadh.in/xss/stored

devijagannadh.in/xss/dom

# Challenge : alf.nu/alert1