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Insp3ct0r 



Easy

Web Exploitation

picoCTF 2019

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## Description

Kishor Balan tipped us off that the following code may need inspection:

<https://jupiter.challenges.picoctf.org/problem/44924/> ([link](#)) or

<http://jupiter.challenges.picoctf.org:44924>

Hints 

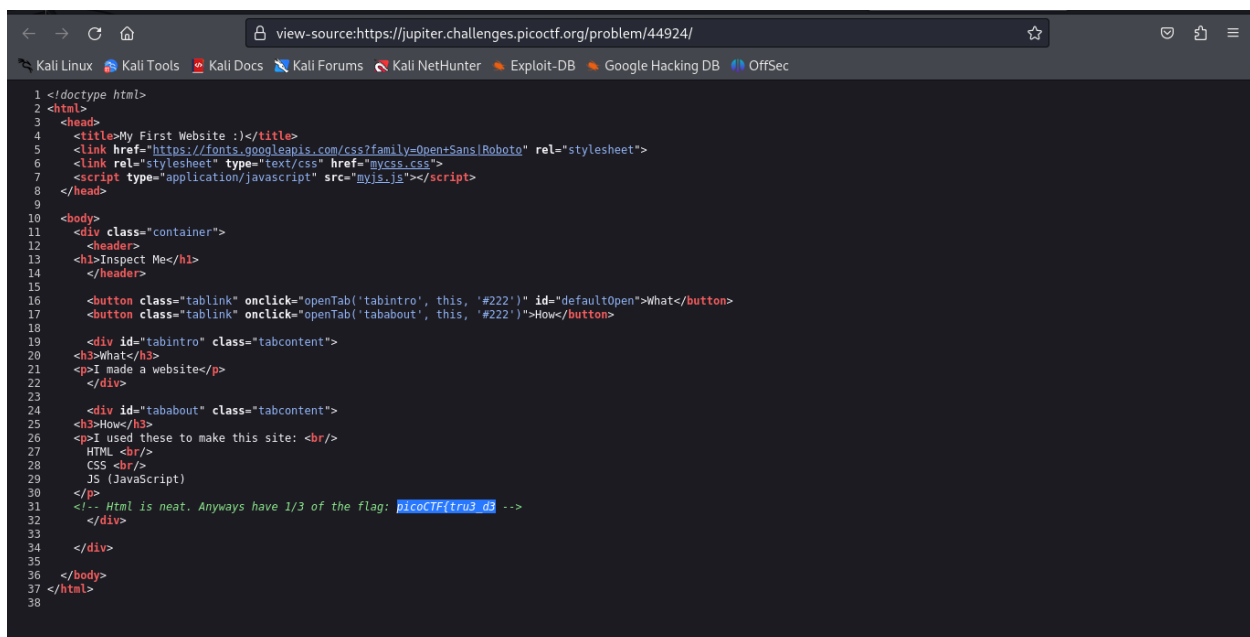
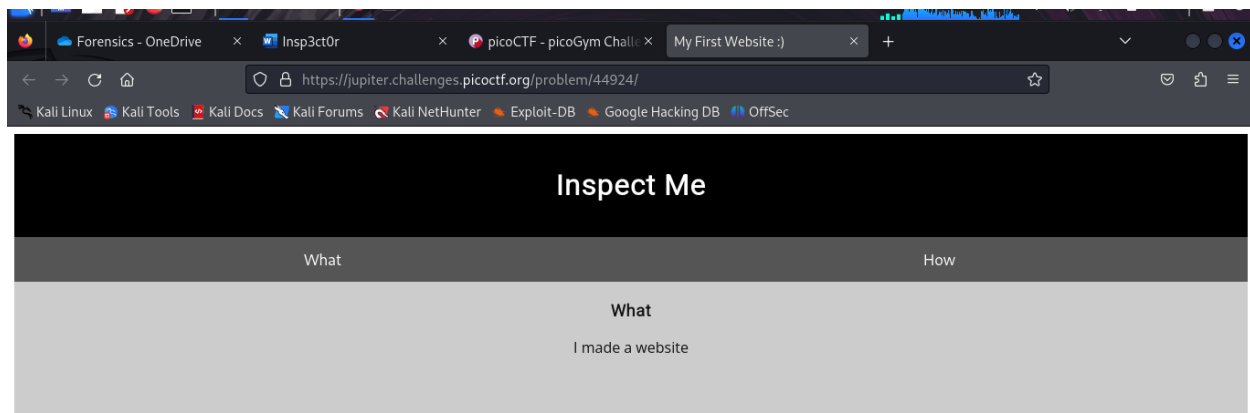
1

2

How do you inspect web code  
on a browser?

## Solution

I went ahead and examined all the source code related to this site. The first hint said it all. I began with inspecting the html code on my browser. A shortcut **CTRL+U** makes code inspection on browser fast and easy. I discovered the first segment of the flag **picoCTF{tru3\_d3**



I went ahead and examined the `mycss.css` code . CSS code I used to style html components in a web page. I found another flag fragment ” `t3ct1ve_0r_ju5t`”.

```
view-source:https://jupiter.challenges.picoctf.org/problem/44924/mycss.css

body {
  font-family: Roboto;
}

h1 {
  color: white;
}

p {
  font-family: "Open Sans";
}

.tablink {
  background-color: #555;
  color: white;
  float: left;
  border: none;
  outline: none;
  cursor: pointer;
  padding: 14px 16px;
  font-size: 17px;
  width: 50%;
}

.tablink:hover {
  background-color: #777;
}

.tabcontent {
  color: #111;
  display: none;
  padding: 50px;
  text-align: center;
}

#tabintro { background-color: #ccc; }
#tababout { background-color: #ccc; }

/* You need CSS to make pretty pages. Here's part 2/3 of the flag: 3ctive 0r ju5t */
```

This site had a JavaScript file which stores code InCharge of adding functionality to the pages. I discovered the final flag fragment embedded withing the JavaScript code ”\_lucky?f10be399}”.

```
view-source:https://jupiter.challenges.picoctf.org/problem/44924/myjs.js

function openTab(tabName,elmnt,color) {
  var i, tabcontent, tablinks;
  tabcontent = document.getElementsByClassName("tabcontent");
  for (i = 0; i < tabcontent.length; i++) {
    tabcontent[i].style.display = "none";
  }
  tablinks = document.getElementsByClassName("tablink");
  for (i = 0; i < tablinks.length; i++) {
    tablinks[i].style.backgroundColor = "";
  }
  document.getElementById(tabName).style.display = "block";
  if(elmnt.style != null) {
    elmnt.style.backgroundColor = color;
  }
}

window.onload = function() {
  openTab('tabintro', this, '#222');
}

/* Javascript sure is neat. Anyways part 3/3 of the flag: lucky?f10be399 */
```

The final flag was picoCTF{tru3\_d3t3ct1ve\_or\_ju5t\_lucky?f10be399}