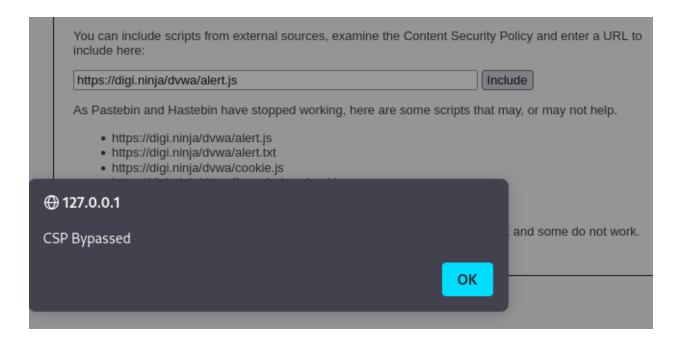
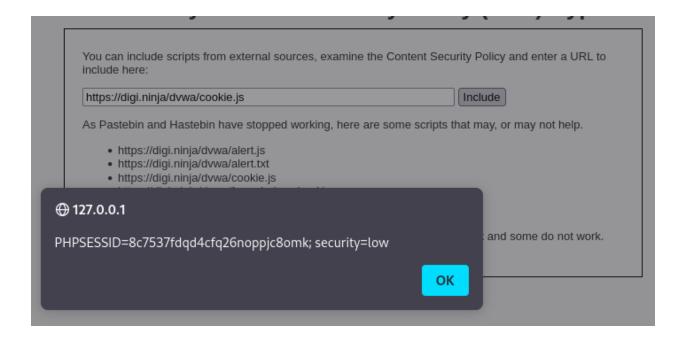
CSP Bypass

1. Low Level

- Seeing the src code, we can see it using a CSP parameter
- The header(\$headerCSP) told me that only the src from the function define could run and executed

• Tried the url below, i noticed that the directory alert.js would work, alert.txt and cookie.js wouldn't work

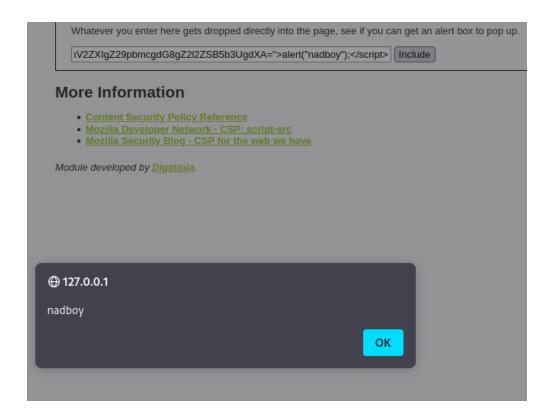




2. Medium Level

- Seeing src code, the nonce parameter need correct value to executed. But the
 nonce never changes
- We paste the following code in the input\

<script nonce="TmV2ZXIgZ29pbmcgdG8gZ2l2ZSB5b3UgdXA=">alert("nadboy");</script>



3. High Level

- When I click solve the sum I get the value of the sum
- · Look at the event triggered upon clicking the button, here is the code

```
function clickButton() {
var s = document.createElement("script");
s.src = "source/jsonp.php?callback=solveSum";
document.body.appendChild(s);
}
```

• When we click on the button, a script tag is created. The source of the script is set to the file <code>jsonp.php</code>. When we click the button, the form is sent with the callback function within its parameter <code>callback</code>

```
GET /DWWA/vulnerabilities/csp/source/jsonp.php?callback=solveSum HTTP/1.1

Host: 127.0.0.1

User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/115.0

Accept: */*

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate, br

Connection: close

Referer: http://127.0.0.1/DWWA/vulnerabilities/csp/

Cookie: PHPSESSID=vi723frhmu7d5m6mmb80bgsd83; security=high

Sec-Fetch-Dest: script

Sec-Fetch-Mode: no-cors

Sec-Fetch-Site: same-origin
```

Intercept the request and change the callback function

from solveSum to alert("hello")//

