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Tên challenge : Javascript - Obfuscation 3

Challenge Link : <https://www.root-me.org/en/Challenges/Web-Client/Javascript-Obfuscation-3>

xem source thấy một đoạn mã khá kỳ lạ

```
1 <html>
2 <head>
3   <title>Obfuscation JS</title>
4   <script type="text/javascript">
5     function dechiffre(pass_enc){
6       var pass = "70,65,85,88,32,80,65,83,83,87,79,82,68,32,72,65,72,65";
7       var tab = pass_enc.split(',');
8       var tab2 = pass.split(',');var i,j,k,l=0,m,n,o,p = "";i = 0;j = tab.length;
9       k = j + (l) + (n=0);
10      n = tab2.length;
11      for(i = (o=0); i < (k = j = n); i++){o = tab[i-1];p += String.fromCharCode(o = tab2[i]);
12      if(i == 5)break;}
13      for(i = (o=0); i < (k = j = n); i++){
14        o = tab[i-1];
15        if(i > 5 && i < k-1)
16          p += String.fromCharCode(o = tab2[i]);
17      }
18      p += String.fromCharCode(tab2[17]);
19      pass = p;return pass;
20    }
21    String["fromCharCode"](dechiffre("\x35\x35\x2c\x35\x36\x2c\x35\x34\x2c\x37\x39\x2c\x31\x31\x35\x2c\x36\x39\x2c\x31\x31\x34\x2c\x31\x31\x36\x2c\x31\x30\x37\x2c\x34\x39\x2c\x35\x30"))
22  h = window.prompt('Entrez le mot de passe / Enter password');
23  alert( dechiffre(h) );
24
25 </script>
26 </head>
27 </html>
```

thử chuyển đoạn giá trị đó về strings

```
Console was cleared VM307:1
< undefined
> "\x35\x35\x2c\x35\x36\x2c\x35\x34\x2c\x37\x39\x2c\x31\x31\x35\x2c\x36\x39\x2c\x31\x31\x34\x2c\x31\x31\x36\x2c\x31\x30\x37\x2c\x34\x39\x2c\x35\x30"
< '55,56,54,79,115,69,114,116,107,49,50'
> a=String.fromCharCode(55,56,54,79,115,69,114,116,107,49,50);
< '7860sErtk12'
> 
a=String.fromCharCode(70,65,85,88,32,80,65,83,83,87,79,82,68,32,72,65,72,65);
< 'FAUX PASSWORD HAHA'
> function dechiffre(pass_enc){
```

có được flag và nộp thử :

flag: 7860sErtk12

time : 23p 33s

The screenshot shows the Root Me website interface. The top navigation bar includes links for Home, Challenges, and Web-Client. The main content area displays the 'Javascript - Obfuscation 3' challenge, which is worth 30 points and has a useful/unuseful rating. The challenge was created by HeLock on February 4, 2021. It has 52654 challengers and 2486 votes. The challenge statement is 'Useful or Useless that is the question...'. Below the statement, there are four related resources: 'Automatic simplification of obfuscated JavaScript code (Virologie)', 'Spiffy: Automated JavaScript deobfuscation (Virologie)', 'Automatic detection for JavaScript obfuscation attacks (Virologie)', and 'DEFCON a different approach to JavaScript obfuscation (Virologie)'. The challenge is currently in a 'Validation' state, with a message saying 'Well done, you won 30 Points' and a reminder to 'Don't forget to give your opinion on the challenge by voting: :)'. There is a 'Start the challenge' button and a 'tweet it!' button. The bottom of the page features a chatbox with a message from 'Atrius' dated 30 March 2023 at 06:18, and a 'Enter password' field.