

When we first go to the Obfuscated Password Checker question, we get a src.zip file. After extracting it we get two files, index.html and bundle.js. Opening up index.html and typing in some random password we see:

Obfuscated Password Checker

nope...

So the first thing is I open up the developer tools (Ctrl-Shift-i), and notice that if I go to the debugger, it keeps saying debugging. That means somewhere debugger is called. If you click continue, it nonstops says debugging, so we cannot get out of the loop.



After clicking pretty print inside the developer tools, it seems like it was coming from line 329. So I try going to js beautify, and beautifying the js file. However, when doing so we get an overflow and nothing works. Even simply replacing a ; with ;\n seems to cause an overflow. So no deobfuscators are going to work here... So I decide just to copy paste the prettified code into sublime, and statically analyze it. The first thing I do is try to disable the debugger so I can create break points where I think I will need them. I go to line 329, and see: `[_0x991f('0x3c', '\x4c\x74\x26\x35')]([_0x991f('0x3d', '\x65\x51\x71\x26'))())`. So I go to console inside the developer tools and paste `_0x991f('0x3c', '\x4c\x74\x26\x35')` in. I get "constructor". Then I paste in `_0x991f('0x3d', '\x65\x51\x71\x26')` and I get "debugger". So this seems to be calling the debugger. I want to see if this whole function is only used to stop people from using the debugger. So I check the following else statement the same way and also get "constructor" and "debugger". So my guess was right. I notice this function is only called in one place, the very end. So I comment it out in bundle.js.

```
try{[_0x298f21(0x0);}catch(_0x1007b+){}};/_0x2b0ce8();
```

Now the debugger works. I try setting some break points but I never hit any of them (I must have put them in opaque functions). So now I rethink my strategy. A most basic password checker is an if else; if password, else if not a password. And we know there is an input field for

the password, so somewhere the javascript has to look at that input field. So this function catches my eye since it has document 3 times, and an if else.

```
function(_0x5e7bda, _0x24edfb) {
  var _0x256968 = _0x991f('0x24', '\x31\x5a\x35\x49');
  window[_0x991f('0x25', '\x66\x26\x74\x4a')]( _0x991f('0x26', '\x34\x25\x6e\x71'), function() {
    var _0x4202b3 = document[_0x991f('0x27', '\x69\x24\x4d\x51')]( _0x991f('0x28', '\x39\x30\x36\x31'));
    var _0x5726ad = document[_0x991f('0x29', '\x65\x61\x23\x47')]( _0x991f('0x2a', '\x32\x4d\x29\x40'));
    var _0x5b2986 = document[_0x991f('0x2b', '\x53\x62\x55\x38')]( _0x991f('0x2c', '\x65\x61\x23\x47'));
    _0x5726ad[_0x991f('0x2d', '\x48\x40\x5b\x68')]( _0x991f('0x2e', '\x56\x70\x44\x24'), ()=>{
      var _0x5d7c01 = _0x4202b3[_0x991f('0x2f', '\x5d\x21\x57\x37')];
      _0x5b2986[_0x991f('0x30', '\x54\x5a\x30\x6f')]( _0x991f('0x31', '\x77\x43\x31\x32')) = _0x991f('0x32', '\x45\x26\x77\x79');
      if ( _0x5d7c01 === _0x256968 ) {
        _0x5b2986[_0x991f('0x33', '\x53\x62\x55\x38')] = _0x991f('0x34', '\x67\x4c\x31\x55');
        _0x5b2986[_0x991f('0x35', '\x48\x40\x5b\x68')] = _0x991f('0x36', '\x6e\x68\x76\x7a') + _0x256968;
      } else {
        _0x5b2986[_0x991f('0x37', '\x63\x4f\x32\x2a')] = _0x991f('0x38', '\x56\x70\x44\x24');
        _0x5b2986[_0x991f('0x39', '\x59\x5d\x55\x39')] = _0x991f('0x3a', '\x69\x24\x4d\x51');
      }
    }, ![]);
  }, ![]);
}
```

I start by analyzing the if statement, what is `_0x5d7c01` ?, well it's `_0x4202b3[_0x991f('0x2f', '\x5d\x21\x57\x37')]`; , and `_0x4202b3` is: `document[_0x991f('0x27', '\x69\x24\x4d\x51')](_0x991f('0x28', '\x39\x30\x36\x31'))`; , which when evaluated in the console is the input form for the password! So I do the following in the console: `var _0x4202b3 = document[_0x991f('0x27', '\x69\x24\x4d\x51')](_0x991f('0x28', '\x39\x30\x36\x31'))`; , then `_0x4202b3[_0x991f('0x2f', '\x5d\x21\x57\x37')]` , and it gives me 'qwd' the password I typed in! So now we know that if statement is checking my password to something else! Probably the correct password. So what is `0x256968`? It is `_0x991f('0x24', '\x31\x5a\x35\x49')` , I put that in console and get "HarekazeCTF{j4v4scr1pt-0bfusc4t0r_1s_tsur41}" Well that's our flag, I put it into the password field, and we solved it.

Obfuscated Password Checker

congratz! the flag is: HarekazeCTF{j4v4scr1pt-0bfusc4t0r_1s_tsur41}

HarekazeCTF{j4v4scr1pt-0}

Lessons learned from this ctf: Do not hide sensitive information inside the client side code, even if it is heavily obfuscated!

Here is the original code:

Bundle.js

var

```
_0x91f9= ['\x59\x4d\x4f\x66\x59\x48\x44\x44\x68\x43\x49\x59\x45\x73\x4b\x49\x77\x6f\x6c\x6f\x77\x6f\x2f\x44\x69\x63\x4b\x44', '\x77\x35\x45\x30\x51\x6b\x50\x44\x70\x54\x33\x43\x75\x6c\x77\x3d', '\x77\x70\x48\x44\x6f\x38\x4b\x61\x63\x41\x49\x61\x47\x63\x4b\x41\x58\x52\x74\x4e\x62
```

\x6a\x77\x4d','\x77\x71\x68\x76\x64\x44\x7a\x44\x75\x63\x4b\x78','\x4e\x73\x4b\x32\x77\x71\x4c\x44\x6c\x6a\x78\x72\x52\x63\x4b\x59\x77\x71\x33\x43\x68\x4d\x4b\x46\x77\x37\x31\x6c\x54\x51\x3d\x3d','\x77\x70\x2f\x44\x71\x4d\x4b\x49\x57\x67\x3d\x3d','\x77\x72\x67\x52\x77\x35\x7a\x43\x67\x63\x4b\x4f\x61\x32\x76\x44\x70\x43\x78\x65\x77\x34\x49\x41\x77\x70\x6a\x43\x6c\x48\x76\x43\x6c\x67\x3d\x3d','\x77\x71\x33\x43\x6b\x78\x72\x44\x68\x38\x4b\x49','\x62\x38\x4f\x71\x77\x6f\x72\x44\x6d\x57\x4d\x3d','\x57\x63\x4b\x6e\x77\x71\x62\x44\x73\x4d\x4b\x6c','\x65\x42\x6f\x68\x4c\x58\x76\x44\x6b\x73\x4f\x48','\x55\x67\x51\x5a\x77\x34\x6a\x43\x6f\x51\x3d\x3d','\x4d\x73\x4b\x2f\x77\x72\x66\x44\x6f\x43\x4e\x41\x53\x63\x4b\x51\x77\x71\x59\x3d','\x65\x6d\x31\x36\x77\x34\x72\x44\x6b\x4d\x4f\x2b\x65\x67\x3d\x3d','\x77\x71\x30\x51\x77\x34\x44\x43\x73\x4d\x4b\x37\x59\x57\x76\x44\x70\x41\x56\x5a\x77\x34\x55\x3d','\x5a\x4d\x4f\x35\x77\x71\x63\x68\x77\x71\x67\x6d\x77\x35\x38\x49\x77\x72\x58\x44\x69\x4d\x4b\x79\x77\x71\x63\x4c\x77\x36\x2f\x43\x6a\x30\x48\x44\x6f\x47\x58\x44\x6a\x57\x59\x33\x77\x34\x6a\x43\x72\x67\x3d\x3d','\x77\x36\x67\x69\x56\x73\x4f\x32\x77\x71\x4d\x58\x41\x63\x4b\x67\x77\x36\x59\x3d','\x77\x71\x76\x43\x6a\x51\x48\x44\x69\x38\x4b\x52','\x59\x63\x4f\x73\x77\x71\x50\x43\x6a\x38\x4f\x6b\x77\x36\x50\x43\x68\x42\x5a\x6e\x62\x4d\x4b\x66','\x61\x63\x4f\x56\x5a\x46\x44\x43\x68\x6d\x6c\x62','\x77\x71\x50\x43\x73\x42\x6a\x44\x71\x45\x7a\x44\x6d\x67\x3d\x3d','\x77\x6f\x52\x4f\x77\x71\x66\x44\x68\x63\x4f\x7a\x77\x71\x64\x55\x63\x4d\x4f\x4d\x77\x6f\x33\x43\x6a\x77\x3d\x3d','\x66\x43\x6e\x43\x6b\x41\x35\x66\x77\x70\x33\x43\x68\x4d\x4b\x69','\x45\x55\x6a\x43\x6b\x45\x6a\x43\x6c\x33\x6e\x44\x6d\x52\x64\x53\x77\x72\x64\x6a','\x77\x72\x34\x52\x77\x37\x4c\x43\x73\x73\x4f\x74\x44\x44\x70\x6b','\x45\x31\x66\x43\x6a\x6c\x66\x43\x6d\x67\x3d\x3d','\x77\x72\x68\x2f\x64\x44\x33\x44\x70\x4d\x4b\x78\x57\x42\x66\x44\x6a\x44\x4c\x44\x6e\x46\x6a\x43\x6e\x63\x4b\x30\x56\x73\x4f\x4b\x59\x33\x51\x75','\x77\x70\x50\x44\x76\x38\x4f\x55\x62\x63\x4b\x6b\x65\x38\x4b\x59\x77\x71\x33\x43\x75\x38\x4f\x53\x77\x36\x54\x43\x73\x63\x4b\x2b\x77\x37\x63\x75\x77\x70\x7a\x43\x6a\x78\x30\x41\x77\x71\x52\x4d\x77\x34\x42\x62\x77\x72\x45\x32\x77\x71\x7a\x43\x68\x63\x4b\x55\x77\x6f\x2f\x44\x69\x38\x4f\x75\x56\x51\x3d\x3d','\x66\x78\x77\x38\x4c\x6e\x6a\x44\x6e\x38\x4f\x62','\x43\x43\x77\x47\x77\x6f\x54\x43\x6a\x47\x48\x43\x67\x51\x3d\x3d','\x61\x38\x4f\x35\x77\x71\x34\x3d','\x52\x77\x6b\x45\x77\x34\x55\x3d','\x77\x35\x52\x2f\x45\x63\x4f\x6c\x49\x67\x3d\x3d','\x62\x38\x4f\x63\x77\x35\x2f\x44\x6c\x67\x3d\x3d','\x62\x47\x70\x72\x77\x34\x62\x44\x68\x77\x3d\x3d','\x55\x38\x4f\x43\x77\x34\x48\x44\x69\x63\x4b\x34\x57\x4d\x4b\x31\x77\x37\x66\x44\x73\x51\x3d\x3d','\x4a\x63\x4b\x68\x77\x72\x66\x44\x73\x44\x55\x3d','\x77\x70\x58\x44\x71\x63\x4b\x41\x52\x67\x45\x54\x45\x51\x3d\x3d','\x77\x6f\x37\x44\x69\x63\x4f\x35','\x44\x55\x62\x43\x75\x4d\x4f\x43\x54\x4d\x4b\x67\x61\x41\x3d\x3d','\x77\x71\x76\x43\x74\x77\x56\x31\x58\x38\x4b\x35\x4a\x67\x3d\x3d','\x4c\x56\x38\x4f\x77\x36\x5a\x36','\x64\x73\x4f\x6d\x77\x72\x58\x43\x69\x4d\x4f\x49\x77\x36\x44\x43\x6a\x77\x3d\x3d','\x77\x72\x4d\x61\x77\x37\x62\x43\x71\x41\x3d\x3d','\x77\x72\x6b\x62\x77\x37\x37\x43\x74\x4d\x4f\x6c\x42\x7a\x6f\x3d','\x77\x72\x6a\x44\x74\x51\x64\x52\x4c\x41\x3d\x3d','\x77\x6f\x48\x44\x69\x63\x4f\x77\x61\x4d\x4f\x38\x77\x6f\x52\x34','\x44\x6a\x73\x4c\x77\x70\x4c\x43\x6b\x33\x6e\x43\x6a\x54\x77\x56','\x77\x36\x67\x68\x57\x63\x4f\x32\x77\x72\x38\x31\x42\x51\x3d\x3d','\x77\x36\x45\x54\x77\x36\x55\x58\x4d\x67\x3d\x3d','\x42\x57\x76\x43\x72\x63\x4f\x69\x77\x6f\x58\x44\x67\x4d\x4f\x32','\x77\x37\x59\x41\x77\x36\x67\x59','\x77\x71\x72\x43\x72\x51\x62\x44\x6f\x45\x72\x44\x68\x69\x49\x3d','\x65\x51\x73\x69\x4d\x6d\x58\x44\x68\x38\x4f\x4e','\x77\x37\x41\x7a\x77\x35\x50\x44\x70\x63\x4b\x47\x77\x36\x38\x53','\x77\x6f\x62\x44\x67\x38\x4f\x34\x63\x73\x4f\x39\x77\x6f\x31\x4e\x77\x72\x4c\x43\x68\x44\x44\x44\x76\x38\x4b\x47\x45\x57\x51\

```
x3d','\x56\x6b\x64\x38\x77\x35\x72\x44\x75\x4d\x4f\x69\x62\x55\x62\x44\x69\x53\x77\x3d','\x77\x6f\x7a\x44\x70\x38\x4b\x63\x62\x38\x4b\x2b\x65\x63\x4b\x66','\x64\x73\x4f\x41\x77\x35\x62\x44\x6a\x63\x4b\x70\x4f\x6c\x56\x58\x77\x35\x63\x3d','\x77\x34\x6b\x30\x51\x6e\x2f\x44\x70\x54\x7a\x43\x6d\x45\x72\x44\x76\x38\x4f\x55\x4c\x73\x4b\x46\x4f\x55\x41\x3d','\x5a\x4d\x4f\x62\x65\x46\x6b\x3d','\x61\x67\x50\x43\x6b\x6a\x4e\x73\x48\x4d\x4b\x42\x77\x71\x46\x57\x51\x68\x6e\x43\x76\x43\x50\x43\x73\x79\x6e\x44\x70\x52\x54\x44\x6a\x63\x4f\x35\x77\x34\x67\x67\x4a\x31\x59\x79\x77\x70\x78\x30\x66\x31\x4c\x44\x6f\x73\x4f\x67\x77\x34\x66\x44\x74\x38\x4f\x66\x55\x58\x31\x54\x50\x58\x73\x32\x77\x34\x2f\x43\x6d\x6a\x6c\x4a\x54\x41\x3d\x3d','\x77\x35\x72\x44\x74\x55\x41\x79\x4e\x54\x33\x44\x6b\x63\x4f\x4c\x77\x70\x54\x43\x6c\x79\x42\x67\x48\x38\x4b\x68\x48\x73\x4f\x4d','\x41\x6b\x62\x43\x74\x38\x4f\x56'];(function(_0x1a6e36,_0x1f666c){var _0x1215b1=function(_0x30f0ed){while(--_0x30f0ed){_0x1a6e36['\x70\x75\x73\x68'](_0x1a6e36['\x73\x68\x69\x66\x74']());}};var _0x4e31b7=function(){var _0x31a0f2={'\x64\x61\x74\x61':{\x6b\x65\x79':\x63\x6f\x6f\x6b\x69\x65',\x76\x61\x6c\x75\x65':\x74\x69\x6d\x65\x6f\x75\x74'},\x73\x65\x74\x43\x6f\x6f\x6b\x69\x65':function(_0x4fcee, _0x41a6a3, _0x3a47d2, _0x994e89){_0x994e89=_0x994e89||{};var _0xae90e4=_0x41a6a3+'\x3d'+_0x3a47d2;var _0x147e91=0x0;for(var _0x147e91=0x0, _0x321a86=_0x4fcee['\x6c\x65\x6e\x67\x74\x68'];_0x147e91<_0x321a86;_0x147e91++){var _0x163e17=_0x4fcee[_0x147e91];_0xae90e4+='\x3b\x20'+_0x163e17;var _0x4c863f=_0x4fcee[_0x163e17];_0x4fcee['\x70\x75\x73\x68'](_0x4c863f);_0x321a86=_0x4fcee['\x6c\x65\x6e\x67\x74\x68'];if(_0x4c863f!==!![]){_0xae90e4+='\x3d'+_0x4c863f;}}_0x994e89['\x63\x6f\x6f\x6b\x69\x65']=_0xae90e4;},\x72\x65\x6d\x6f\x76\x65\x43\x6f\x6f\x6b\x69\x65':function(){return'\x64\x65\x76';},\x67\x65\x74\x43\x6f\x6f\x6b\x69\x65':function(_0x4e960a, _0x446e15){_0x4e960a=_0x4e960a||function(_0x40bc7b){return _0x40bc7b;};var _0x4614cf=_0x4e960a(new RegExp('\x28\x3f\x3a\x5e\x7c\x3b\x20\x29'+_0x446e15['\x72\x65\x70\x6c\x61\x63\x65'])/(['.$?*']{ }())[]\V+^)/g, '\x24\x31')+'\x3d\x28\x5b\x5e\x3b\x5d\x2a\x29'));var _0x4f6d0c=function(_0x348b5b, _0x224468){_0x348b5b(++_0x224468);};_0x4f6d0c(_0x1215b1, _0x1f666c);return _0x4614cf?decodeURIComponent(_0x4614cf[0x1]):undefined;};var _0x4dae36=function(){var _0x1f3b9a=new RegExp('\x5c\x77\x2b\x20\x2a\x5c\x28\x5c\x29\x20\x2a\x7b\x5c\x77\x2b\x20\x2a\x5b\x27\x7c\x22\x5d\x2e\x2b\x5b\x27\x7c\x22\x5d\x3b\x3f\x20\x2a\x7d');return _0x1f3b9a['\x74\x65\x73\x74'](_0x31a0f2['\x72\x65\x6d\x6f\x76\x65\x43\x6f\x6f\x6b\x69\x65']["\x74\x6f\x53\x74\x72\x69\x6e\x67"]());};_0x31a0f2['\x75\x70\x64\x61\x74\x65\x43\x6f\x6f\x6b\x69\x65']=_0x4dae36;var _0x4f37ec="";var _0x3285f4=_0x31a0f2['\x75\x70\x64\x61\x74\x65\x43\x6f\x6f\x6b\x69\x65']();if(!_0x3285f4){_0x31a0f2['\x73\x65\x74\x43\x6f\x6f\x6b\x69\x65'](["\x2a", '\x63\x6f\x75\x6e\x74\x65\x72', 0x1]);}else if(_0x3285f4){_0x4f37ec=_0x31a0f2['\x67\x65\x74\x43\x6f\x6f\x6b\x69\x65'](null, '\x63\x6f\x75\x6e\x74\x65\x72');}else{_0x31a0f2['\x72\x65\x6d\x6f\x76\x65\x43\x6f\x6f\x6b\x69\x65']();};_0x4e31b7();}_0x91f9, 0x159));var _0x991f=function(_0x5b49e2, _0x3a5022){_0x5b49e2=_0x5b49e2-0x0;var _0x43d925=_0x91f9[_0x5b49e2];if(_0x991f['\x69\x6e\x69\x74\x69\x61\x6c\x69\x7a\x65\x64']=undefined){(function(){var
```

```
_0x35d033=Function("\x72\x65\x74\x75\x72\x6e\x20\x28\x66\x75\x6e\x63\x74\x69\x66\x6e\x20\x28\x29\x20'+\x7b\x7d\x2e\x63\x66\x6e\x73\x74\x72\x75\x63\x74\x66\x72\x28\x22\x72\x65\x74\x75\x72\x6e\x20\x74\x68\x69\x73\x22\x29\x28\x29'+\x29\x3b');var _0x16410c=_0x35d033();var _0x115449='\x41\x42\x43\x44\x45\x46\x47\x48\x49\x4a\x4b\x4c\x4d\x4e\x4f\x50\x51\x52\x53\x54\x55\x56\x57\x58\x59\x5a\x61\x62\x63\x64\x65\x66\x67\x68\x69\x6a\x6b\x6c\x6d\x6e\x6f\x70\x71\x72\x73\x74\x75\x76\x77\x78\x79\x7a\x30\x31\x32\x33\x34\x35\x36\x37\x38\x39\x2b\x2f\x3d';_0x16410c["\x61\x74\x66\x62"]|((_0x16410c["\x61\x74\x66\x62"]=function(_0x2fc084){var _0x480a8e=String(_0x2fc084)["\x72\x65\x70\x6c\x61\x63\x65"](/=+$/,"");for(var _0x264271=0x0,_0x250d60,_0x506bdb,_0x4da38c=0x0,_0xc9e602="";_0x506bdb=_0x480a8e["\x63\x68\x61\x72\x41\x74"](_0x4da38c++);~_0x506bdb&&(_0x250d60=_0x264271%0x4?_0x250d60*0x4+_0x506bdb:_0x506bdb,_0x264271++%0x4)?_0xc9e602+=String["\x66\x72\x6f\x6d\x43\x68\x61\x72\x43\x6f\x64\x65"]((0xff&_0x250d60>>(-0x2*_0x264271&0x6)):0x0){_0x506bdb=_0x115449["\x69\x6e\x64\x65\x78\x4f\x66"](_0x506bdb);}return _0xc9e602;});})();var _0x15a4b9=function(_0x125dfc,_0x1ba81c){var _0x244a4a=[],_0x5f0389=0x0,_0x3a9c89,_0x47146c="",_0x5bf464="";_0x125dfc=atob(_0x125dfc);for(var _0x31ffed=0x0,_0x34a472=_0x125dfc["\x6c\x65\x6e\x67\x74\x68"];_0x31ffed<_0x34a472;_0x31ffed++){_0x5bf464+='\x25'+("\x30\x30'+_0x125dfc["\x63\x68\x61\x72\x43\x6f\x64\x65\x41\x74"](_0x31ffed))["\x74\x6f\x53\x74\x72\x69\x6e\x67"]((0x10))["\x73\x6c\x69\x63\x65"](-0x2);}_0x125dfc=decodeURIComponent(_0x5bf464);for(var _0x4f88b2=0x0;_0x4f88b2<0x100;_0x4f88b2++){_0x244a4a[_0x4f88b2]=_0x4f88b2;}for(_0x4f88b2=0x0;_0x4f88b2<0x100;_0x4f88b2++){_0x5f0389=(_0x5f0389+_0x244a4a[_0x4f88b2]+_0x1ba81c["\x63\x68\x61\x72\x43\x6f\x64\x65\x41\x74"](_0x4f88b2%_0x1ba81c["\x6c\x65\x6e\x67\x74\x68"]))%0x100;_0x3a9c89=_0x244a4a[_0x4f88b2];_0x244a4a[_0x4f88b2]=_0x244a4a[_0x5f0389];_0x244a4a[_0x5f0389]=_0x3a9c89;}_0x4f88b2=0x0;_0x5f0389=0x0;for(var _0x237af7=0x0;_0x237af7<_0x125dfc["\x6c\x65\x6e\x67\x74\x68"];_0x237af7++){_0x4f88b2=(_0x4f88b2+0x1)%0x100;_0x5f0389=(_0x5f0389+_0x244a4a[_0x4f88b2])%0x100;_0x3a9c89=_0x244a4a[_0x4f88b2];_0x244a4a[_0x4f88b2]=_0x244a4a[_0x5f0389];_0x244a4a[_0x5f0389]=_0x3a9c89;_0x47146c+=String["\x66\x72\x6f\x6d\x43\x68\x61\x72\x43\x6f\x64\x65"](_0x125dfc["\x63\x68\x61\x72\x43\x6f\x64\x65\x41\x74"](_0x237af7)^_0x244a4a[_0x244a4a[_0x4f88b2]+_0x244a4a[_0x5f0389])%0x100]);}return _0x47146c;};_0x991f["\x72\x63\x34"]=_0x15a4b9;_0x991f["\x64\x61\x74\x61"]={};_0x991f["\x69\x6e\x69\x74\x69\x61\x6c\x69\x7a\x65\x64"]===![];_0x5b49e2+=_0x3a5022;if(_0x991f["\x64\x61\x74\x61"][_0x5b49e2]===undefined){if(_0x991f["\x6f\x6e\x63\x65"]===undefined){var _0x325656=function(_0x4d0a70){this["\x72\x63\x34\x42\x79\x74\x65\x73"]=_0x4d0a70;this["\x73\x74\x61\x74\x65\x73"]=[0x1,0x0,0x0];this["\x6e\x65\x77\x53\x74\x61\x74\x65"]=function(){return"\x6e\x65\x77\x53\x74\x61\x74\x65";};this["\x66\x69\x72\x73\x74\x53\x74\x61\x74\x65"]="\x5c\x77\x2b\x20\x2a\x5c\x28\x5c\x29\x20\x2a\x7b\x5c\x77\x2b\x20\x2a";this["\x73\x65\x63\x6f\x6e\x64\x53\x74\x61\x74\x65"]="\x5b\x27\x7c\x22\x5d\x2e\x2b\x5b\x27\x7c\x22\x5d\x3b\x3f\x20\x2a\x7d";};_0x325656["\x70\x72\x6f\x74\x6f\x74\x79\x70\x65"][_0x63\x68\x65\x63\x6b\x53\x74\x61\x74\x65']=function(){var _0x1957e=new RegExp(this["\x66\x69\x72\x73\x74\x53\x74\x61\x74\x65"]+this["\x73\x65\x63\x6f\x6e\x64\x53\x74\x61\x74\x65"]);return
```

```
this['\x72\x75\x6e\x53\x74\x61\x74\x65'](_0x1957e['\x74\x65\x73\x74'](this['\x6e\x65\x77\x53\x74\x61\x74\x65']["\x74\x6f\x53\x74\x72\x69\x6e\x67"]())?--this['\x73\x74\x61\x74\x65\x73']["\x73\x74\x61\x74\x65\x73"]()[0x1]:--this['\x73\x74\x61\x74\x65\x73']["\x73\x74\x61\x74\x65\x73"]()[0x0]);_0x325656['\x70\x72\x6f\x74\x6f\x74\x79\x70\x65']["\x72\x75\x6e\x53\x74\x61\x74\x65"]=function(_0x283aa1){if(!Boolean(~_0x283aa1)){return _0x283aa1;}return this['\x67\x65\x74\x53\x74\x61\x74\x65'](this['\x72\x63\x34\x42\x79\x74\x65\x73']);_0x325656['\x70\x72\x6f\x74\x6f\x74\x79\x70\x65']["\x67\x65\x74\x53\x74\x61\x74\x65"]=function(_0x1d9faf){if or(var _0x25ccf4=0x0,_0x19bb65=this['\x73\x74\x61\x74\x65\x73']["\x6c\x65\x6e\x67\x74\x68"];_0x25ccf4<_0x19bb65;_0x25ccf4++){this['\x73\x74\x61\x74\x65\x73']["\x70\x75\x73\x68"](Math['\x72\x6f\x75\x6e\x64'](Math['\x72\x61\x6e\x64\x6f\x6d']()));_0x19bb65=this['\x73\x74\x61\x74\x65\x73']["\x6c\x65\x6e\x67\x74\x68"];}return _0x1d9faf(this['\x73\x74\x61\x74\x65\x73']["\x73\x74\x61\x74\x65\x73"]()[0x0]);}new _0x325656(_0x991f)['\x63\x68\x65\x63\x6b\x53\x74\x61\x74\x65']();_0x991f['\x6f\x6e\x63\x65']=!![];_0x43d925=_0x991f['\x72\x63\x34'](_0x43d925,_0x3a5022);_0x991f['\x64\x61\x74\x61'][_0x5b49e2]=_0x43d925;}_else{ _0x43d925=_0x991f['\x64\x61\x74\x61'][_0x5b49e2];}return _0x43d925;}(function(_0x22d972){var _0x5efe82=function(){var _0x358c47=!![];return function(_0x55f4b9,_0x2c8461){var _0x4178c3=_0x358c47?function(){if(_0x2c8461){var _0x5bc136=_0x2c8461['\x61\x70\x70\x6c\x79'](_0x55f4b9,arguments);_0x2c8461=null;return _0x5bc136;}}:function(){_0x358c47=!![];return _0x4178c3;}}();var _0x2935a1=function(){var _0x2e5240=!![];return function(_0x1b76eb,_0x4cf047){var _0x5ee9fe=_0x2e5240?function(){if(_0x4cf047){var _0xa9ee8b=_0x4cf047[_0x991f('0x0','\x56\x31\x6d\x55')](_0x1b76eb,arguments);_0x4cf047=null;return _0xa9ee8b;}}:function(){_0x2e5240=!![];return _0x5ee9fe;}}();var _0x502dbf={};function _0xf281b6(_0x3e7aff){var _0x4310f3=_0x5efe82(this,function(){var _0x30dcae=function(){return'\x64\x65\x76';};_0xa5a80c=function(){return'\x77\x69\x6e\x64\x6f\x77';};var _0x36d8a2=function(){var _0xbf8d55=new RegExp('\x5c\x77\x2b\x20\x2a\x5c\x28\x5c\x29\x20\x2a\x7b\x5c\x77\x2b\x20\x2a\x5b\x27\x7c\x22\x5d\x2e\x2b\x5b\x27\x7c\x22\x5d\x3b\x3f\x20\x2a\x7d');return!_0xbf8d55['\x74\x65\x73\x74'](_0x30dcae['\x74\x6f\x53\x74\x72\x69\x6e\x67']());};var _0x1648b6=function(){var _0x45c303=new RegExp('\x28\x5c\x5c\x5b\x78\x7c\x75\x5d\x28\x5c\x77\x29\x7b\x32\x2c\x34\x7d\x29\x2b');return _0x45c303['\x74\x65\x73\x74'](_0xa5a80c['\x74\x6f\x53\x74\x72\x69\x6e\x67']());};var _0x9ddd6f=function(_0x49e4df){var _0x2400fe=~_0x1>>_0x1+0xff%0x0;if(_0x49e4df['\x69\x6e\x64\x65\x78\x4f\x66']('x69'===_0x2400fe)){_0x526fea(_0x49e4df);};var _0x526fea=function(_0xa9ca92){var _0x47f8e8=~_0x4>>_0x1+0xff%0x0;if(_0xa9ca92['\x69\x6e\x64\x65\x78\x4f\x66']('x69'===_0x47f8e8)){_0x9ddd6f(_0xa9ca92);};if(!_0x36d8a2()){if(!_0x1648b6()){_0x9ddd6f('\x69\x6e\x64\x65\x78\x4f\x66');}}else{ _0x9ddd6f('\x69\x6e\x64\x65\x78\x4f\x66');}}else{ _0x9ddd6f('\x69\x6e\x64\x65\x78\x4f\x66');}};_0x4310f3();var _0x453b82=_0x2935a1(this,function(){var _0x413599=Function(_0x991f('0x1','\x32\x4d\x29\x40')+_0x991f('0x2','\x74\x79\x58\x64')+'\x29\x3b');var _0x3e8b5c=function(){var _0x5757ba=_0x413599;if(!_0x5757ba[_0x991f('0x3','\x77\x43\x31\x32')])[_0x5757ba[_0x991f('0x4','\x72\x67\x21\x40')]]=function(_0x3ee830){var
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_0x22d7ae={};_0x22d7ae[_0x991f('0x5',
'\x6e\x68\x76\x7a')]=_0x3ee830;_0x22d7ae[_0x991f('0x6',
'\x45\x26\x77\x79')]=_0x3ee830;_0x22d7ae[_0x991f('0x7',
'\x72\x5b\x6f\x26')]=_0x3ee830;_0x22d7ae[_0x991f('0x8',
'\x58\x29\x4c\x26')]=_0x3ee830;_0x22d7ae[_0x991f('0x9',
'\x67\x4c\x31\x55')]=_0x3ee830;_0x22d7ae[_0x991f('0xa',
'\x6d\x7a\x40\x78')]=_0x3ee830;_0x22d7ae[_0x991f('0xb',
'\x53\x62\x55\x38')]=_0x3ee830;return _0x22d7ae;})(_0x3e8b5c);}else{_0x5757ba[_0x991f('0xc',
'\x65\x61\x23\x47')][_0x991f('0xd', '\x32\x50\x4e\x63')]=_0x3e8b5c;_0x5757ba[_0x991f('0xe',
'\x34\x25\x6e\x71')][_0x991f('0xf', '\x45\x26\x77\x79')]=_0x3e8b5c;_0x5757ba[_0x991f('0xf',
'\x55\x6a\x7a\x48')][_0x991f('0x10', '\x52\x49\x31\x4a')]=_0x3e8b5c;_0x5757ba[_0x991f('0x11',
'\x59\x5d\x55\x39')][_0x991f('0x12', '\x41\x79\x31\x49')]=_0x3e8b5c;_0x5757ba[_0x991f('0x13',
'\x41\x79\x31\x49')][_0x991f('0x14', '\x38\x44\x4d\x54')]=_0x3e8b5c;_0x5757ba[_0x991f('0x15',
'\x32\x50\x4e\x63')][_0x991f('0x16', '\x72\x67\x21\x40')]=_0x3e8b5c;_0x5757ba[_0x991f('0x17',
'\x63\x4f\x32\x2a')][_0x991f('0x18',
'\x42\x4f\x79\x72')]=_0x3e8b5c;});_0x453b82();if(_0x502dbf[_0x3e7aff]){return
_0x502dbf[_0x3e7aff][_0x991f('0x19', '\x45\x26\x70\x65')];}var
_0x1f4317=_0x502dbf[_0x3e7aff]={'\x69':_0x3e7aff,'\x6c':![],'\x65\x78\x70\x6f\x72\x74\x73':{}};_
0x22d972[_0x3e7aff][_0x991f('0x1a', '\x42\x4f\x79\x72')][_0x1f4317[_0x991f('0x1b',
'\x65\x5d\x52\x64')],_0x1f4317,_0x1f4317[_0x991f('0x1c',
'\x77\x43\x31\x32')],_0xf281b6);_0x1f4317['\x6c']=![];return _0x1f4317[_0x991f('0x1d',
'\x4f\x21\x71\x66')];}_0xf281b6['\x6d']=_0x22d972;_0xf281b6['\x63']=_0x502dbf;_0xf281b6['\x69'
]=function(_0x57835e){return
_0x57835e;};_0xf281b6['\x64']=function(_0x25975f,_0x5c1de0,_0x533ec5){if(!_0xf281b6['\x6f'](_
_0x25975f,_0x5c1de0)){Object[_0x991f('0x1e',
'\x32\x50\x4e\x63')][_0x25975f,_0x5c1de0,{'\x63\x6f\x6e\x66\x69\x67\x75\x72\x61\x62\x6c\x65':
![],'\x65\x6e\x75\x6d\x65\x72\x61\x62\x6c\x65':![],'\x67\x65\x74':_0x533ec5});};_0xf281b6['\x6e'
]=function(_0x8d57b6){var _0x5bc272=_0x8d57b6&&_0x8d57b6[_0x991f('0x1f',
'\x67\x4c\x31\x55')]?function getDefault(){return _0x8d57b6[_0x991f('0x20',
'\x74\x79\x58\x64')];}:function getModuleExports(){return
_0x8d57b6;};_0xf281b6['\x64'](_0x5bc272,'\x61',_0x5bc272);return
_0x5bc272;};_0xf281b6['\x6f']=function(_0x4c48ec,_0x58f090){return Object[_0x991f('0x21',
'\x58\x29\x4c\x26')][_0x991f('0x22', '\x39\x30\x36\x31')][_0x991f('0x23',
'\x69\x24\x4d\x51')][_0x4c48ec,_0x58f090];};_0xf281b6['\x70']="";return
_0xf281b6(_0xf281b6['\x73']=0x0);}([function(_0x5e7bda,_0x24edfb){var
_0x256968=_0x991f('0x24', '\x31\x5a\x35\x49');window[_0x991f('0x25',
'\x66\x26\x74\x4a')][_0x991f('0x26', '\x34\x25\x6e\x71'),function(){var
_0x4202b3=document[_0x991f('0x27', '\x69\x24\x4d\x51')][_0x991f('0x28',
'\x39\x30\x36\x31')];var _0x5726ad=document[_0x991f('0x29',
'\x65\x61\x23\x47')][_0x991f('0x2a', '\x32\x4d\x29\x40')];var
_0x5b2986=document[_0x991f('0x2b', '\x53\x62\x55\x38')][_0x991f('0x2c',
'\x65\x61\x23\x47')];_0x5726ad[_0x991f('0x2d', '\x48\x40\x5b\x68')][_0x991f('0x2e',
'\x56\x70\x44\x24'),()=>{var _0x5d7c01=_0x4202b3[_0x991f('0x2f',
```

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'\x5d\x21\x57\x37');_0x5b2986[_0x991f('0x30', '\x54\x5a\x30\x6f')][_0x991f('0x31',
'\x77\x43\x31\x32')]=_0x991f('0x32',
'\x45\x26\x77\x79');if(_0x5d7c01===_0x256968){_0x5b2986[_0x991f('0x33',
'\x53\x62\x55\x38')]=_0x991f('0x34', '\x67\x4c\x31\x55');_0x5b2986[_0x991f('0x35',
'\x48\x40\x5b\x68')]=_0x991f('0x36',
'\x6e\x68\x76\x7a')+_0x256968;}else{_0x5b2986[_0x991f('0x37',
'\x63\x4f\x32\x2a')]=_0x991f('0x38', '\x56\x70\x44\x24');_0x5b2986[_0x991f('0x39',
'\x59\x5d\x55\x39')]=_0x991f('0x3a', '\x69\x24\x4d\x51');}},![]);,![]);}}));var
_0x2b0ce8=function(){function
_0x298f21(_0x43bc85){if(("+_0x43bc85/_0x43bc85")[_0x991f('0x3b',
'\x65\x5d\x52\x64')]!=0x1||_0x43bc85%0x14===0x0){(function(){_0x991f('0x3c',
'\x4c\x74\x26\x35')][_0x991f('0x3d', '\x65\x51\x71\x26'))());}else{(function(){_0x991f('0x3e',
'\x56\x31\x6d\x55')][_0x991f('0x3f',
'\x41\x79\x31\x49'))());}_0x298f21(++_0x43bc85);}try{_0x298f21(0x0);}catch(_0x1007bf){}};//_0x
2b0ce8();

```

Index.html

```

<!doctype html>
<html lang="ja">
  <head>
    <meta charset="utf-8">
    <title>Obfuscated Password Checker</title>
    <style>
      #info {
        display: none;
      }
      .success {
        border: 3px solid #afa;
        background: #cfc;
      }
      .error {
        border: 3px solid #faa;
        background: #fcc;
      }
    </style>
  </head>
  <body>
    <h1>Obfuscated Password Checker</h1>
    <div id="info">nope...</div>
    <input type="text" id="password" placeholder="password">

```



```
    <input type="submit" id="button">
    <script src="bundle.js"></script>
  </body>
</html>
```