Execute JavaScript method from browser address bar

That JavaScript executed from the address bar will run in the context of the website displayed in that tab. This means complete access to that website and it could change how the website looks and behaves from the point of view of the user.

This attack is called self XSS and can cause harm to the user and indirectly to the machine. A reputable website can ask the user to download and install a malicious piece of executable code by pretending, for example, that it needs a Flash update.

Most browsers have realized this vulnerability and attempt to limit the impact by cutting out JavaScript: when pasting JavaScript: some\_js\_code in the address bar. But it is still possible to manually write it and execute it.

How you call JavaScript method in address bar

You can call java script function in address bar by

JavaScript: alert ("Hello World");

It will alert message Hello world

Or

By data: text/html, <script>alert ('hi') ;< /script>

Or

By JavaScript: void (myFunc ());

// to return code of the page write this in address bar

JavaScript: void (alert(document.body.innerHTML));

Javascript:document.getElementById("message").innerHTML="anotherthing"

Also you can execute JavaScript right in your address bar:

Load any page and go to the address bar.

Erase the address bar contents and type JavaScript: alert ("JavaScript in the address bar!"); Press Enter. You should get the text "JavaScript in the address bar!" to appear in an alert box.

Any JavaScript code you place after JavaScript: in the address bar will be executed.

Also another example:-

Find out the number of elements in a form

Type JavaScript: alert (document.formName.length); where form Name is the name of the form you want to find out the number of elements that it has.

Reason for remove JavaScript

When you copy and paste the JavaScript: label into some browsers URL bars it automatically removes it.

This is a security measure following certain attacks which have occurred in the past whereby people were asked to copy exploitative JavaScript into their URL bars in order for attackers to steal data.

Web browsers provide a JavaScript console as part of their developer tools. This console is useful for the following reasons:

Console JavaScript ctrl+shift+j

* Errors and warnings that occur on a web page are logged into the console.
* JavaScript commands for interacting with a web page can be executed in the console.

Opening the “Console” panel of Chrome’s DevTools:

Chrome

Windows: Ctrl + Shift + J

Mac OS: Cmd + Opt + J

Note: In addition to the “Console” panel, there also exists a smaller slide-up console which can be toggled via Esc while any of the other panels is active.

Firefox

Opening the “Console” panel in Firefox’s Developer Tools:

Windows: Ctrl + Shift + K

Mac OS: Cmd + Opt + K

Note: In addition to the “Console” panel, there also exists a smaller slide-up console which can be toggled via Esc while any of the other panels is active.

Opening the “Console” panel in Internet Explorer’s F12 Developer Tools:

Internet Explorer

F12, then click on the “Console” tab

Note: In addition to the “Console” panel, there also exists a smaller slide-up console which can be toggled via Ctrl + ` while any of the other panels is active.

Safari

Note: In order to view the console in Safari, you have to enable the “Show Develop menu in menu bar” setting in the “Advanced” pane of Safari’s preferences (screenshot).

Opening the “Console” panel in Safari’s Web Inspector:

Cmd + Opt + C

Note: In addition to the “Console” panel, there also exists a smaller slide-up console which can be toggled via Esc while any of the other panels is active.

Opera

Windows and Linux: Ctrl + Shift + I

Mac: ⌘+⌥+I

This technique has many uses: