CTF Topic: Injecting JavaScript with Web-Injector Firefox Extension

Introduction

Web-Injector is a Firefox extension that allows users to inject custom JavaScript into any web page. This can be useful for testing, debugging, and modifying web page behavior.

Tools and Requirements

- Mozilla Firefox browser  
- Install the [Web-Injector Firefox extension](<https://addons.mozilla.org/en-US/firefox/addon/web-injector/?utm_source=addons.mozilla.org&utm_medium=referral&utm_content=search>)   
- Basic understanding of JavaScript and web development

Scenario

As a participant in this CTF challenge, your task is to use the Web-Injector Firefox extension to inject custom JavaScript into `<http://testphp.vulnweb.com/>` . Perform the injection and answer the following questions based on your findings.

Begin

1. Install the Web-Injector Firefox extension from the provided link.  
2. Visit `http://testphp.vulnweb.com/` and use the extension to inject custom JavaScript.  
3. Utilize the extension features to answer the questions.

Questions and Answers

Flag 1: Use Web-Injector to inject a script that changes the background color of the webpage to blue. What is the JavaScript code used?

Answer:

javascript  
document.body.style.backgroundColor = 'blue';

Flag Captured.

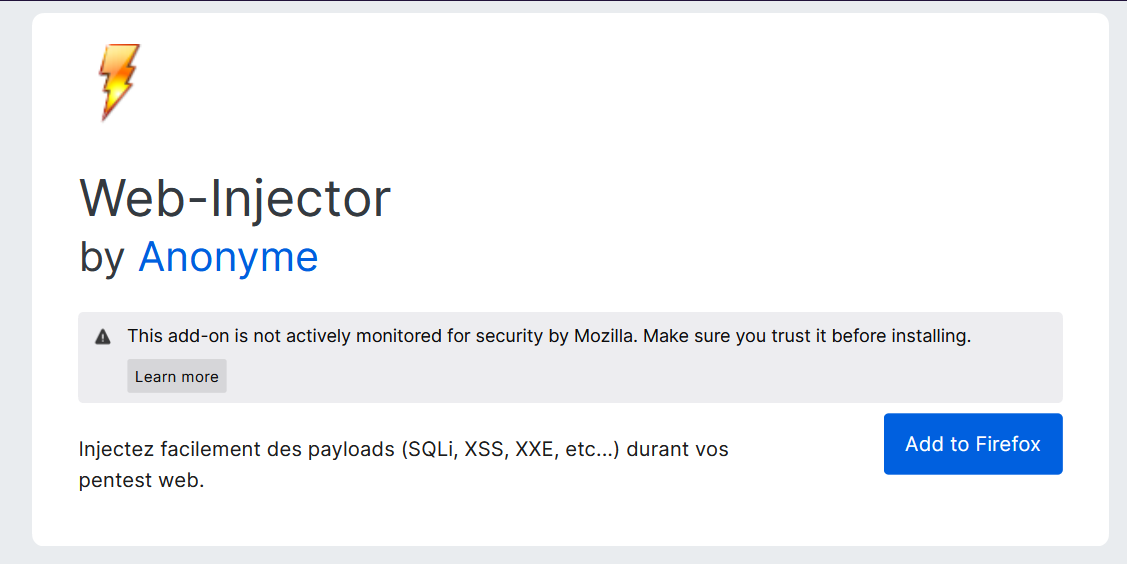
Flag 2: What is the JavaScript code that hides all images on the web page ?

Answer:

javascript  
document.querySelectorAll('img').forEach(img => img.style.display = 'none');

Flag Captured.

Hint



Install the Web-Injector Firefox extension and use it to inject the provided JavaScript snippets into `http://testphp.vulnweb.com/`. Observe the changes and effects on the webpage to answer the questions accurately.