**CTF Topic: Identifying Vulnerabilities with Web Tester**

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**1. Introduction**

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The Web Tester Firefox extension is a powerful tool designed to help identify vulnerabilities in web applications. By scanning websites, this tool can help uncover common security flaws that can be exploited by attackers. Participants will use this extension to find vulnerabilities on the test site `<http://testphp.vulnweb.com/>`.

**2. Tools and Requirements**

Mozilla Firefox browser  
Install the [Web Tester Firefox extension]

(<https://addons.mozilla.org/en-US/firefox/addon/webtester/?utm_source=addons.mozilla.org&utm_medium=referral&utm_content=search>)

**3. Scenario**

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As a participant in this CTF challenge, your task is to use the Web Tester extension to identify vulnerabilities on the provided test site `http://testphp.vulnweb.com/`. Use the extension to analyze the site and answer the following questions based on your findings.

**4. Process to follow while performing CTF**

1. Install the Web Tester Firefox Extension: Open Mozilla Firefox.  
Go to the [Web Tester Firefox Extension

(<https://addons.mozilla.org/en-US/firefox/addon/webtester/?utm_source=addons.mozilla.org&utm_medium=referral&utm_content=search>)

Click "Add to Firefox" and complete the installation process.

2. Open the Test Site  
   - Navigate to the test site: [<http://testphp.vulnweb.com/>].

3. Scan the Site with Web Tester  
   - Open the Web Tester extension from the Firefox toolbar.  
   - Click on "Start Scan" to begin scanning the test site for vulnerabilities.

4. Analyze the Results  
   - Review the scan results provided by the Web Tester extension.  
   - Identify the types of vulnerabilities found and note specific details.

5. Answer the Questions  
   - Use the information from the scan results to answer the following questions.

**Questions and Answers**

Flag 1: Does the site have any SQL Injection vulnerabilities? If so, provide an example.

Answer:  
 Yes, the URL is vulnerable to SQL Injection.

Flag Captured.

Flag 2:Which SQL injection is Vulnerable to Website ?

Answer: The login panel is vulnerable to Sql Injection.

It can be Executed by this command .  
' OR 1 -- -

Flag Captured.

**Hint**

Install the Web Tester Firefox extension and use it to scan the pages of the provided test site `http://testphp.vulnweb.com/`. Adjust settings and use the extension features as required to answer the questions accurately.









