**CTF: Data Scraping with Chrome Extension**

**Introduction**

Data scraping involves extracting structured data from a webpage for analysis or data collection. This CTF challenge will guide you through using a Chrome data scraper extension to extract specific data from the target website

http://zero.webappsecurity.com/.

**Tools and Requirements**

* Web Browser: Google Chrome
* Chrome Extension: "Data Scraper" or any similar data extraction extension
* Target Website: http://zero.webappsecurity.com/

**Link**

Extension:

<https://chromewebstore.google.com/detail/data-scraper-easy-web-scr/nndknepjnldbdbepjfgmncbggmopgden>

**Setup and Configuration**

1. Install Data Scraper Extension:

* Go to the Chrome Web Store and install the "Data Scraper" extension.

2. Configure Data Scraper:

* Open the Data Scraper extension from the Chrome extensions menu.
* Familiarize yourself with running the extension to extract data from a webpage.

**Challenge Instructions**

1. Extract Data:

* Open Chrome and navigate to the target website:

<http://zero.webappsecurity.com/>

* Use the Data Scraper extension to extract specific data from the webpage (e.g., table contents, product listings, etc.).

2. Analyze Extracted Data:

* Review the extracted data to identify any patterns or interesting findings.
* Document the types of data found (e.g., names, prices, URLs).

**Tasks and Questions**

**1. Task 1: Extract All Table Data**

Question: How many rows of data were extracted from the main table on http://zero.webappsecurity.com/?

Answer: Number of rows.

**2. Task 2: Identify Specific Column Data**

Question: What are the unique values found in the "Category" column of the extracted table?

Answer: List of unique values.

**3. Task 3: Extract Product Listings**

Question: How many product listings were extracted from the webpage?

Answer: Number of products.

**4. Task 4: Extract Links**

Question: What is the URL of the first product in the list?

Answer: URL.

**Hint and Tips**

Hint: Use the Data Scraper extension to quickly extract structured data without manually inspecting the HTML.

Tip: Pay attention to the different types of data (text, numbers, URLs) for better analysis.