

Assignment 4

In this module, you will write one Python notebook to create required outputs. Sample outputs are attached. You will also participate in module 4 forum discussion.

In all your programs, use markdown cells and be creative of summarizing/commenting your notebooks. You will also add detailed comments in your Python code (using “#” or triple quote signs)

Notebook 1: Web Data Scraper

Watch the lecture videos and continue working on the project of obtaining vulnerability data.

Videos 5 and 7 describe the requirements.

Requirement 1: Let user define a search time frame, severity level, and search words to find the corresponded vulnerabilities listed on the table at https://www.symantec.com/security_response/landing/vulnerabilities.jsp . (follow the format of the sample output)

Requirement 2: Look through **the first 100** vulnerability descriptions and list all the vulnerabilities whose descriptions contains the search term. The output should contain the date, vulnerability name, link to the description page, and the row number of the vulnerability. (follow the format of the sample output)

Submissions:

You will export your notebook in both .html and .py formats. You will submit the following 2 files to Blackboard. In your html file, you should **include all the outputs** of your python script without error messages.

1. Firstname_Lastname_Datascraper.html
2. Firstname_Lastname_Datascraper.py

***The attached files include**

Requirement1 output.png: sample output of the search function requirement (requirement 1)
Requirement2 output.png: sample output of the search description requirement (requirement 2)