

ITP 270 - Programming For Cybersecurity

Project 2 - Website Probe

- Assignment Date: **Week 9**
- Deliverables Due Date: **Week 11**

Learning Objectives:

- Design a program using multiple modules
- Design a program using a class
- Understand the difference between functions and methods
- Implement a generator function
- File operations
- Use the **requests** library which is built in to python 3
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Tasks:

- Leveraging the code you wrote in project 1, write a program that steps through a range of IP addresses, performs a reverse DNS lookup on the address, and send an HTTP header request to the website and log return headers to a file for later analysis.
- Your program should be comprised of at least two modules:
 1. mainapp.py, which will be the main execution script, and
 2. another module name whatever you deem appropriate that contains a helper class and any required methods.

Deliverables:

- Working program.