ITP 270 – Programming For Cybersecurity
Project 1 – Reverse DNS Lookup

- Assignment Date: **Week 6**
- Deliverables Due Date: **Week 8**

Learning Objectives:
- Design, code, compile, debug, and execute a python program
- Get comfortable with an integrated development environment (IDE) of your choice.
- Demonstrate your knowledge of:
    o Python development cycle
    o Module importing
    o String and list manipulation
    o Flow control statement
    o TCP/IP fundamentals

Tasks:
- Implement a program that steps through a range of IP addresses, performs a reverse DNS lookup on each address, and prints the information to the terminal.

Deliverables:
- Working program.