In the ICMPping lab, you were given stubbed out code. The questions below are related to various parts of that code. To answer these questions you may use various sources available on the Internet. You will find that the Python documentation will be the most helpful resource.

1. What is the purpose of the select.select() function call (what is the generic purpose of a select() function call)?

2. Why is the select() function used in the program?

3. What other network programming purpose could the select() call be used for (other than what is stubbed out in the programming assignment)?

CSE 3461
Instructor: Brian Campbell
Computer Networking and Internet Technologies
ICMP Programming Lab Questions – Spring 2022

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4. What is the generic purpose of the htons() function call?

5. Why is the htons() function call needed?

6. The sample code creates a socket using the SOCK_RAW socket type. What is the difference between SOCK_RAW and the other types of sockets we have studied so far?