How to Run Program:

To run this code properly, make sure to navigate to the correct folder in your terminal that contains the "sample_pinger.py" file. From there you can run the command: "python sample_pinger.py [IP address or hostname]" with no extra arguments. When running the command above, your terminal should look like one of these examples:

C:\...\(Path to folder with sample_pinger.py)> python sample_pinger.py 192.36.148.17

C:\...\(Path to folder with sample_pinger.py)> python sample_pinger.py localhost

C:\...\(Path to folder with sample_pinger.py)> python sample_pinger.py stonybrook.edu

Notice how you can use an IP address or hostname for this program to work. Press enter and you should see an output updating every second, until terminated, where it displays the number of bytes from a packet, the hostname, and the time it took for a round trip (RTT). To terminate the program, press CTRL C. Upon termination, you will see ping statistics, which will show the minimum RTT, average RTT, and maximum RTT of all of the packets shown before stopping the program.