

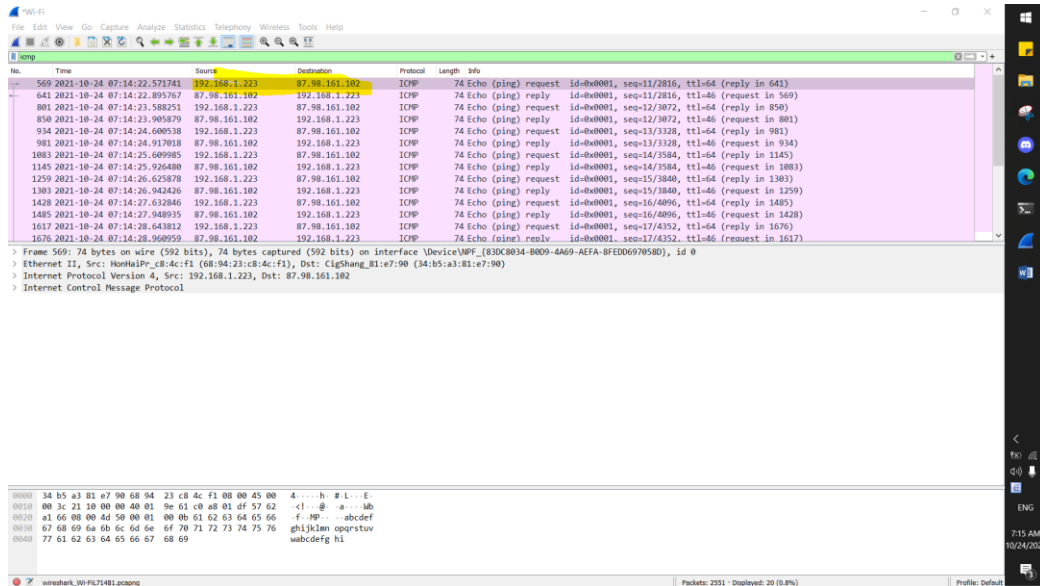
COMPUTER NETWORK LAB

LAB 5

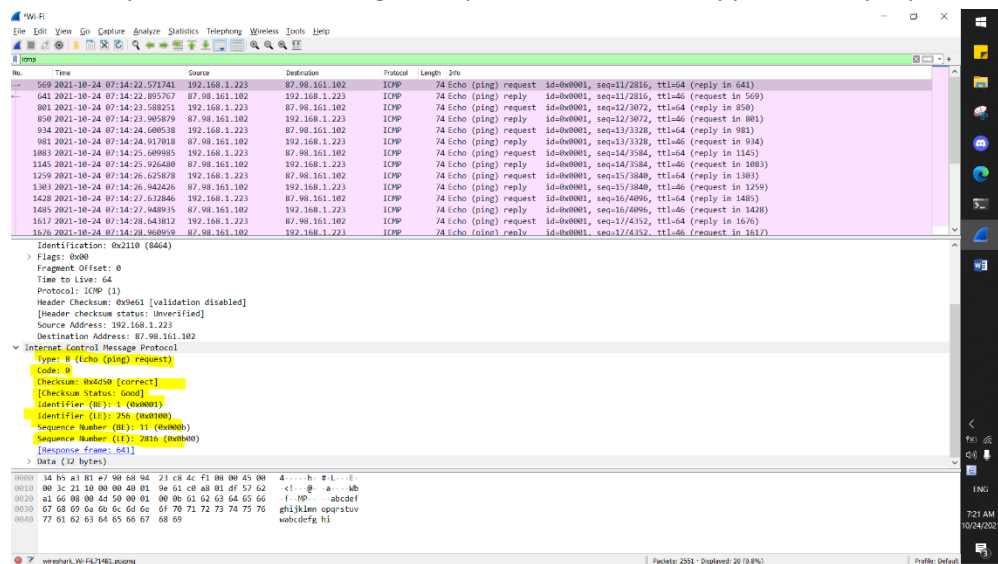
Name: Đinh Hoàng Anh

Student ID: 1952553

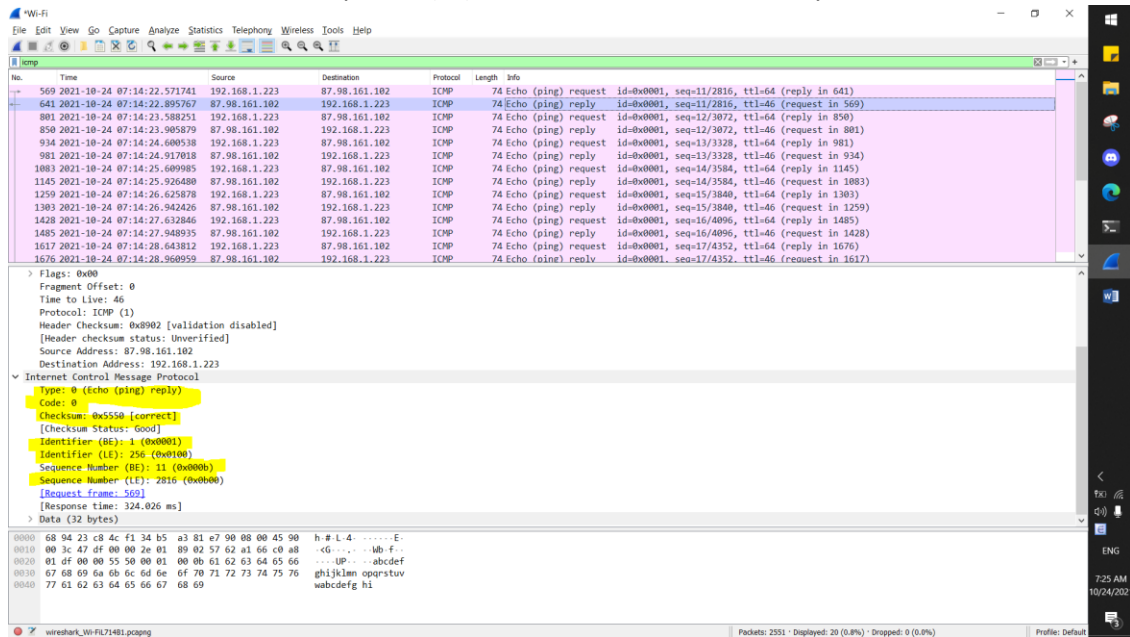
LAB 5



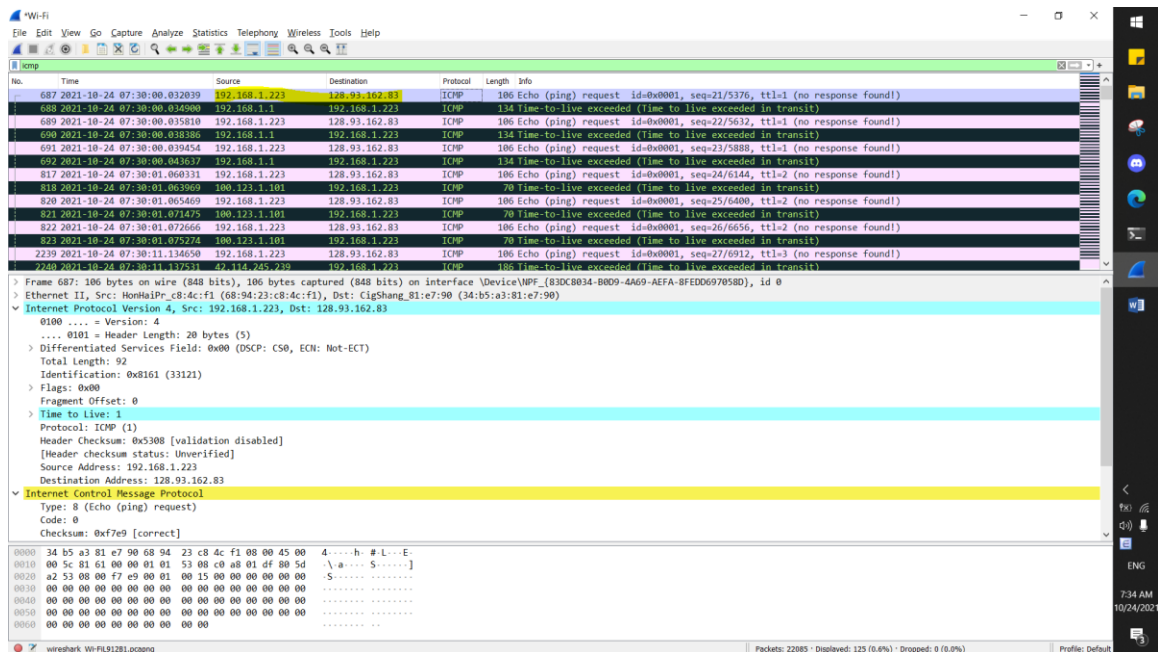
1. My source host is 192.168.1.223, destination host is 87.98.161.102
2. Because ICMP packet was designed to communicate network-layer information between hosts and routers, not between application layer processes. Since the network software itself interprets all ICMP messages, no port numbers to an application layer process



3. Type: 8, Code: 0, Checksum: 0x4d50, Identifier (BE): 1, Identifier (LE): 256, Sequence (BE): 11, Sequence (LE): 2816. Each field include 2 bytes

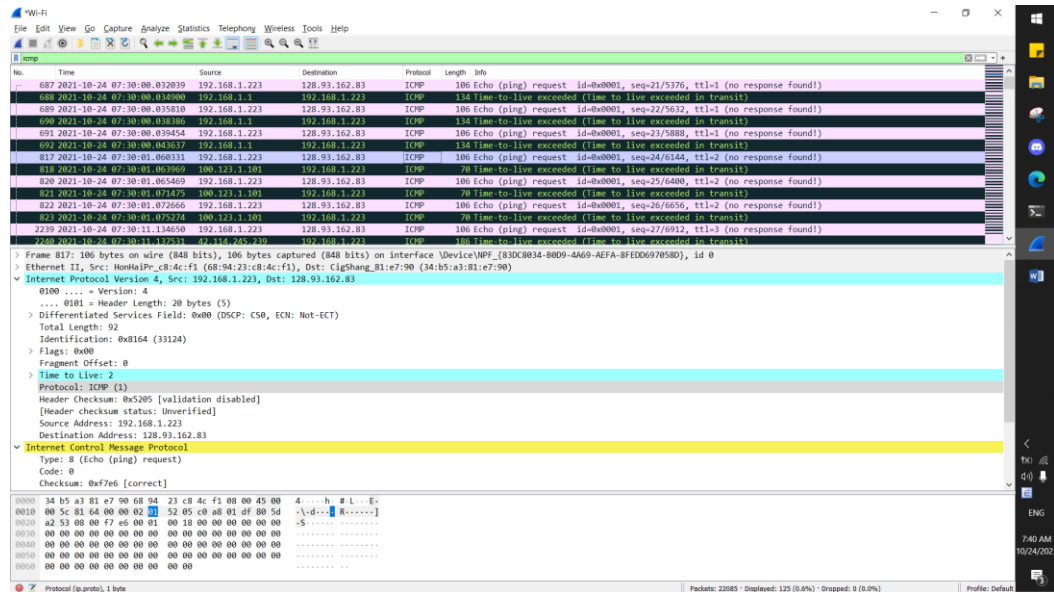


4. Type: 0, Code: 0, Checksum: 0x5550, Identifier (BE): 1, Identifier (LE): 256, Sequence (BE): 11, Sequence (LE): 2816. Each field include 2 bytes

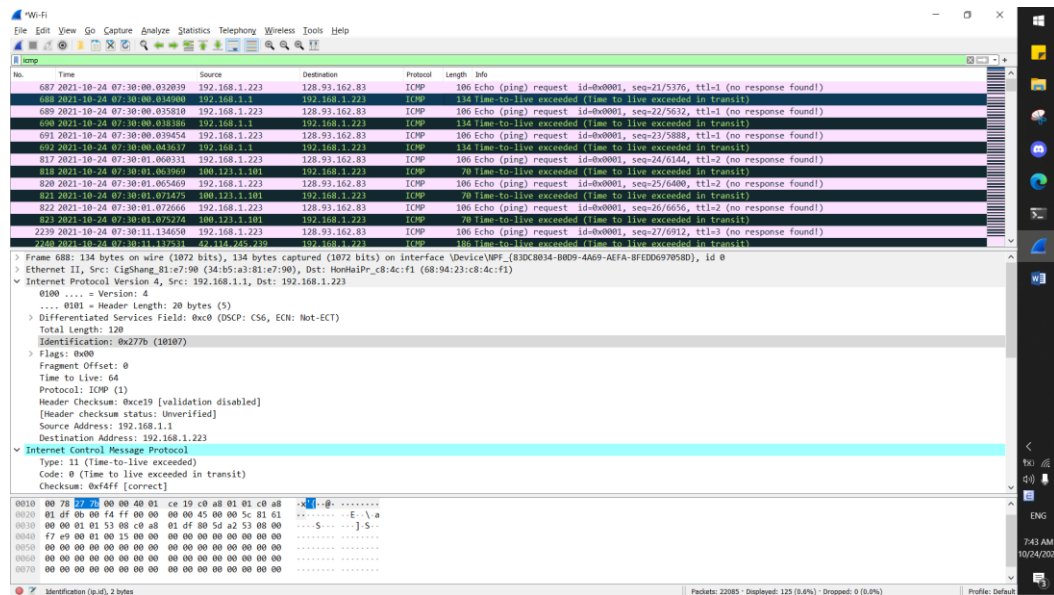


5. Source host: 192.168.1.223, Destination host 128.93.162.83

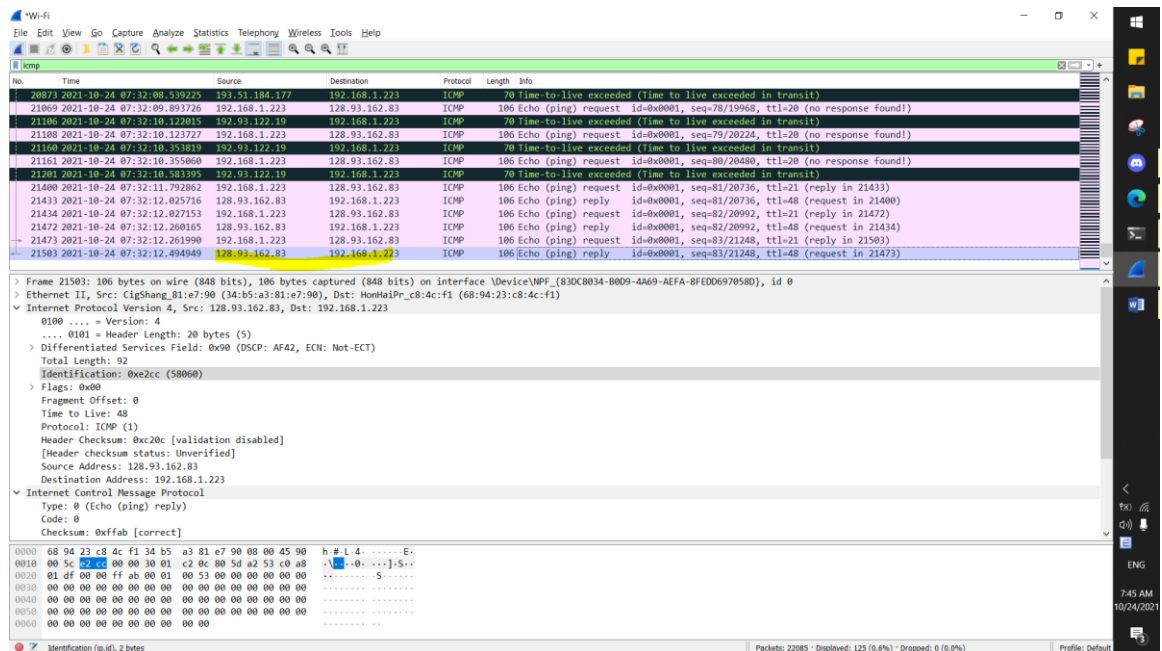
6. No. If ICMP sent UDP packets should be 0x11



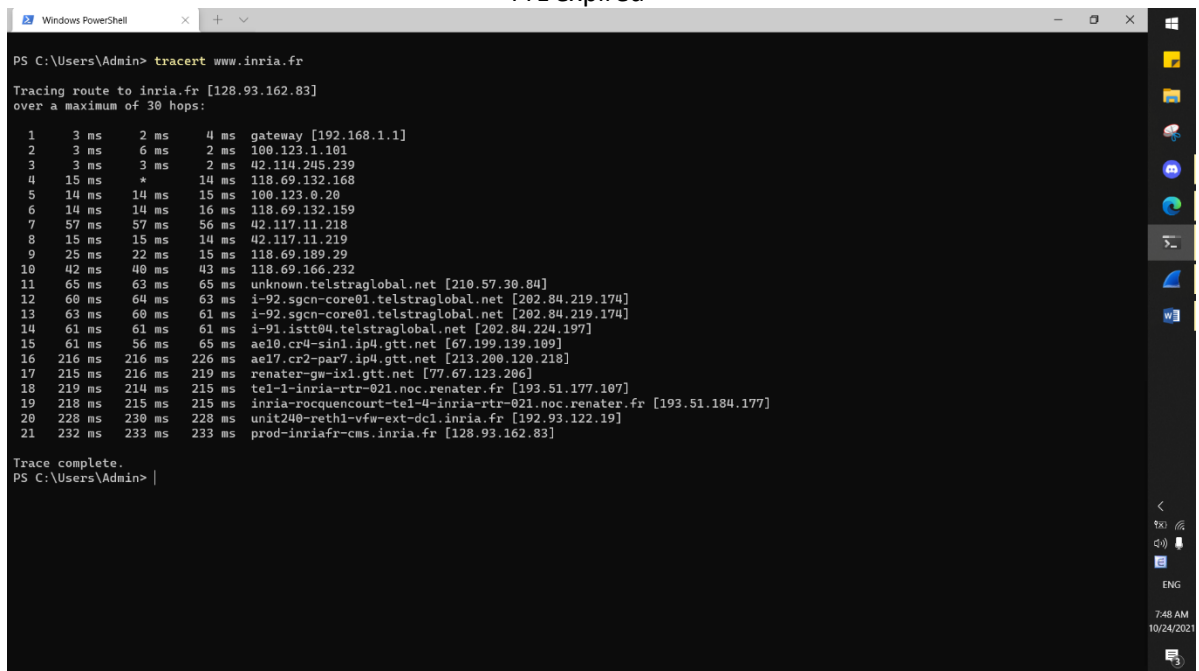
7. ICMP echo packet has the same fields as the ping query packets



- The ICMP error packet is not the same as the ping query packets. It contains both the UP header and the first 8 bytes of the original ICMP packet that the error is for



9. The last three ICMP packets are message type 0 (echo reply) rather than 11 (TTL expired). They are different because the datagrams have made it all the way to the destination host before the TTL expired



10. There is a link between steps 15 and 16 that has a significantly longer delay.