**1. nslookup**

1. The IP address is 103.21.124.10
2. The IP address is 131.210.209.2
3. The answer came from a non-authoritative server.
4. The authoritative server name is cdns01.comcast.net. Well, it gave me the IP address when I looked it up which was 75.75.75.75.

Text

Description automatically generated

**3. Tracing DNS with Wireshark**

1. It is packet number 5, and it is sent over UDP.
2. It is packet number 9, and it is sent over UDP.
3. The destination port of the query is the same as the source port of the response which is 53831.
4. The DNS query message is sent to IP address 131.210.209.2.
5. The DNS query message contains 1 question and 0 answers.
6. The DNS response message contains 1 question and 1 answer.
7. I wasn’t sure how to answer these questions.

Graphical user interface, application

Description automatically generated

1. The destination port of the query message is the same as the source port of the response message which is 53.
2. The DNS query message is sent to IP address 131.210.209.2. It is similar to my IP address but not exact.
3. It is Type A. It has no answers.
4. It contains 1 question and 0 answers.

Graphical user interface, text, application

Description automatically generated

1. For the remaining questions, I got “Unrecognized command”

Text

Description automatically generated