qanda

1. What was the query (question) sent by the dig command?
   a. The query (question) sent by the dig command is
      i. "scrivnor.cikeys.com.   IN   A"
2. What was the full answer given by the DNS server?
      i. "scrivnor.cikeys.com. 13652   IN   A   138.197.192.78"
   b. What was the TTL value?
      i. 3hr39m54s or 12950
   c. Was it an A record or AAAA record?
      i. A is ipv4 and AAAA is ipv6. AAAA is four times bigger than ipv4.
3. How long did the query take?
   a. 4 msec
4. What DNS server responded?
   a. 10.121.11.8#53

Part Two

Now query scrivnor.cikeys.com again, but this time specify 1.1.1.1 and 8.8.8.8 as the DNS servers.

1. 1.1.1.1 takes around 30 ms.
2. 8.8.8.8 takes around 10 ms.

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1. Which DNS provider took the least amount of time?
   a. 8.8.8.8 was faster than 1.1.1.1.

Part Three

In this question we will perform a QNAME minimized reverse DNS look up as if we were the local DNS server.

1. Draw a diagram of a DNS request (as shown in the slides) to resolve
    compsci.csuci.edu