



Instructions



Code Examples



Forum

Stage #XM2

Pending

(RDLENGTH)

Data (RDATA)

Variable

Data specific to the record type.

[Section 3.2.1](#) of the RFC covers the answer section format in detail.

In this stage, we'll only deal with the "A" record type, which maps a domain name to an IPv4 address. The RDATA field for an "A" record type is a 4-byte integer representing the IPv4 address.

Just like in the previous stage, the tester will execute your program like this:

```
./your_server.sh
```

It'll then send a UDP packet (containing a DNS query) to port 2053.

Your program will need to respond with a DNS reply packet that contains:

- a header section (same as in stage #2)
- a question section (same as in stage #3)
- an answer section (**new in this stage!**)

Your answer section should contain a single RR, with the following values:

Field	Expected Value
Name	\x0ccodecrafters\x02io followed by a null byte (that's <code>codecrafters.io</code> encoded as a label sequence)
Type	1 encoded as a 2-byte big-endian int (corresponding to the "A" record type)
Class	1 encoded as a 2-byte big-endian int (corresponding to the "IN" record class)

Ready to run tests...

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