



Instructions



Code Examples



Forum

Stage #BF2

Pending

Labels are encoded as `<length><content>`, where `<length>` is a single byte that specifies the length of the label, and `<content>` is the actual content of the label. The sequence of labels is terminated by a null byte (`\x00`).

For example:

- `google.com` is encoded as `\x06google\x03com\x00` (in hex:
`06 67 6f 6f 67 6c 65 03 63 6f 6d 00`)
 - `\x06google` is the first label
 - `\x06` is a single byte, which is the length of the label
 - `google` is the content of the label
 - `\x03com` is the second label
 - `\x03` is a single byte, which is the length of the label
 - `com` is the content of the label
 - `\x00` is the null byte that terminates the domain name

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 the question section described above (along with the header section from the previous stage).

Here are the expected values for the question section:

Field**Expected value**

Ready to run tests...

Show logs