

Network Programming - DNS Client Guide

1. DNS Client takes the domain name and the IPv4 of DNS Server. If no IP is provided it will use 8.8.8.8 as default.

```
→ Assignment-2 git:(master) X make
gcc -o dns_client dns_client.c
→ Assignment-2 git:(master) X ./dns_client bits-apogee.org 8.8.8.8
bits-apogee.org has A type record of 139.59.3.240
bits-apogee.org has CNAME type record of ns1.digitalocean.com
bits-apogee.org has PTR type record of ns1.digitalocean.com
bits-apogee.org has MX type record of aspmx.l.google.com
bits-apogee.org has AAAA type record of 7331:c64:6967:6974:616c:6f63:6561:6e03
→ Assignment-2 git:(master) X ./dns_client bits-apogee.org 1.1.1.1
bits-apogee.org has A type record of 139.59.3.240
bits-apogee.org has CNAME type record of ns1.digitalocean.com
bits-apogee.org has PTR type record of ns1.digitalocean.com
bits-apogee.org has MX type record of aspmx.l.google.com
bits-apogee.org has AAAA type record of 7331:c64:6967:6974:616c:6f63:6561:6e03
→ Assignment-2 git:(master) X
```

2. It outputs A, CNAME, PTR, MX and AAAA type of records.