DNS SERVER OUTPUT:

```
$ cc dns_server.c -o dns_server
$ ./dns_server
DNS Server listening on port 53 (or a chosen port)...
Received query for: www.example.com
Responding with IP: 192.168.1.100
Received query for: mail.example.com
Responding with IP: 192.168.1.101
```

DNS CLIENT OUTPUT:

```
$ cc dns_client.c -o dns_client
$ ./dns_client 127.0.0.1 www.example.com
Querying DNS server at 127.0.0.1 for www.example.com...
Received IP: 192.168.1.100

$ ./dns_client 127.0.0.1 mail.example.com
Querying DNS server at 127.0.0.1 for mail.example.com...
Received IP: 192.168.1.101

$ ./dns_client 127.0.0.1 unknown.domain
Querying DNS server at 127.0.0.1 for unknown.domain...
Host Not Found (or similar error message)
```