

DNS Requests

Due date: 5/3/18

Instructions

This will be a group assignment. You can either do it alone or in groups of 2.

Assignment

This assignment is for familiarising you with UDP. Moreover you will go through one application layer protocol, namely DNS.

Problem

You will make a program which contacts the DNS server to get an IP address of a website the user wants. Your program will do the following

1. Takes DNS IP from command line.
2. Now wait for user to enter a hostname.
3. Once user enters hostname, get one of its IP address after contacting the DNS server.
4. Output this IP address
5. Continue step 2-4 until the user types "Bye".

Example Program

```
$ ./dns 12.34.138.65
Enter a website name: www.iitgoa.ac.in
IP address of www.iitgoa.ac.in is: 17.23.56.85
Enter a website name: www.google.com
IP address of www.google.com is: 55.158.95.77
Enter a website name: Bye
```
