

Lab 2 Report

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We believe that our lab 2 project works to standards, it is able to receive and send requests and responses in the format that is required by the specification. The server and client are also able to get and check each other's checksums as well as other possible flaws. If a bad request is sent from client, the server sends back an error message, if a bad/corrupted message comes from server to client, the client lets it send 7 more times. The program also gets the ip address for the hosts requested.

To compile the server code, simply use gcc like so:

```
gcc udpServerLab2.c -o uSer
```

And run it like this:

```
./uSer 10031
```

The client file requires no compilation, as it is in Python, simply run the command:

```
python udpClientLab2.py tux063.eng.auburn.edu 21 102 www.google.com  
www.bing.com
```

Please note that for some reason, multiple queries for host to ip request may give back strange/incorrect ip.

Also, ip is given back in a mix of hex, and ascii.