

# DNS Server User Documentation

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This assignment contains three C files client.c, proxyServer.c, server.c and two text files cache.txt, database.txt.

cache.txt is the cache file which continuously changes after every request if the lookup is not present and database.txt is the database in dns server.

## **client.c**

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**./client Server\_IP\_Address Server\_PORT**

./client is the executable file

Server\_IP\_Address is the IP address of the Main DNS server

Server\_PORT is the Port number in which DNS server is running

After this we take request message from terminal and request messages can handle both queries i.e Domain name and IP address queries.

## **proxyServer.c**

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**./proxy**

./proxy is the executable file

## **server.c**

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**./server Server\_PORT**

./server is the executable file

Server\_PORT is the port number at which server would be working.

Here in this code both client and proxy server run on the same device and the server can run on any other device and the default number used for client and proxy server is 8080. So the port number that we are giving input should be other than 8080.