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**To execute programs follow the steps**

1. Execute the proxyserver.py program on terminal/command prompt using the command ‘python proxyserver.py’
2. Then enter the port number
3. Now server is up and running
4. Execute the client.py program in the separate terminal/command prompt using the command ‘python client.py’
5. Then enter the port number (same as of server’s)
6. Then client program asks for the url you can type your own url or can enter ‘d’ so the program will take the default url :” http://gaia.cs.umass.edu/wireshark-labs/alice.txt”
7. For the first time the proxy server will take the response from the the main server then store it into the same folder where proxy server program is stored, and then send the response to the client
8. For the next time if a client asks for the same url/file the proxy server will simply send the stored response to the client
9. Bothe the programs uses http format for communication and on both the end (on terminal) the message is displayed in http format

**References:**

For httplib

https://docs.python.org/2/library/httplib.html

For parsing the Url

https://stackoverflow.com/questions/18727347/how-to-extract-a-filename-from-a-url-append-a-word-to-it

For fetching the file

https://www.mediafire.com/folder/5c1s...

For downloading the file from the internet https://stackoverflow.com/questions/43048132/download-text-file-from-url-python

For threadmixin class

https://docs.python.org/2/library/socketserver.html