

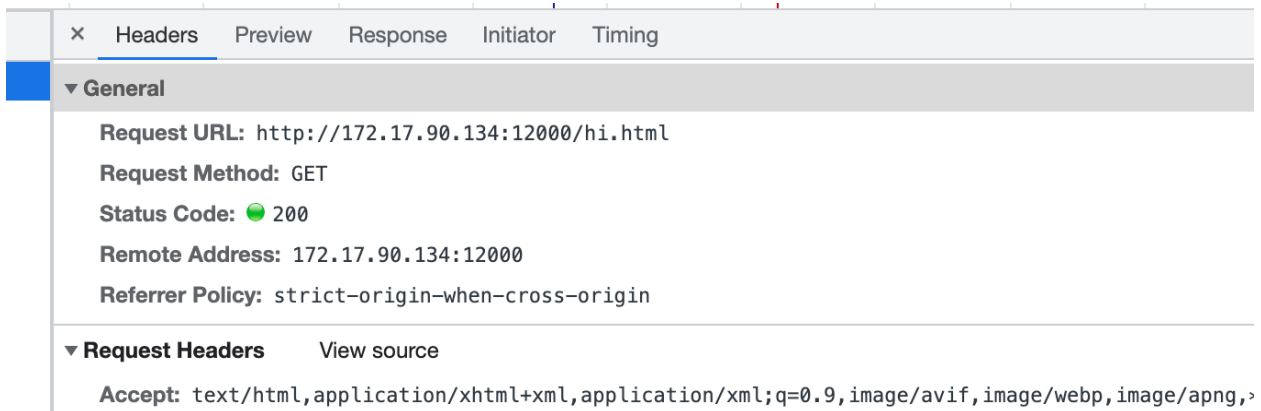
1.

When accessing a legitimate file:

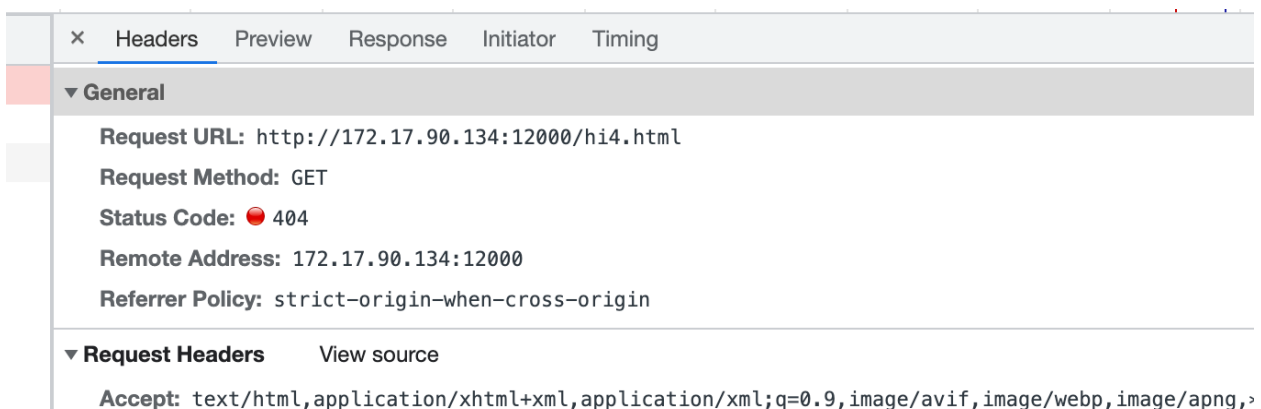
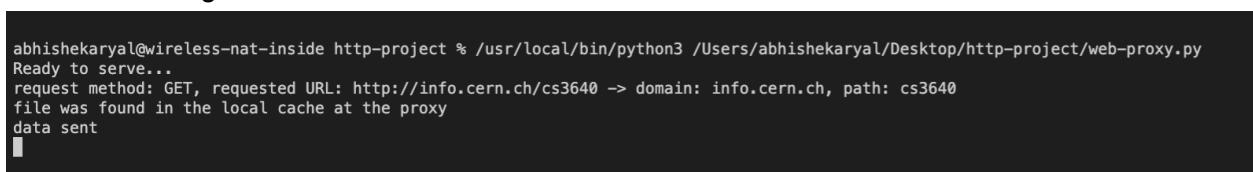


HELLO CS3640!

Test HTML file for testing the server.



When accessing a non existent file:



2.

Running the proxy for the first time

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
/usr/local/bin/python3 /Users/abhishekaryal/Desktop/http-project/web-proxy.py
abhishekaryal@wireless-nat-inside http-project % /usr/local/bin/python3 /Users/abhishekaryal/Desktop/http-project/web-proxy.py
Ready to serve...
request method: GET, requested URL: http://info.cern.ch/ -> domain: info.cern.ch, path: index.html
file was NOT found in the local cache at the proxy
requesting from server...
GET http://info.cern.ch/ HTTP/1.0
Host: info.cern.ch

R: b'HTTP/1.1 200 OK\r\nDate: Tue, 05 Apr 2022 17:00:59 GMT\r\nServer: Apache\r\nLast-Modified: Wed, 05 Feb 2014 16:00:31 GMT\r\nETag: "286-4f1aadb3105c0"\r\nAccept-Ranges: bytes\r\nContent-Length: 646\r\nConnection: close\r\nContent-Type: text/html\r\n\r\n<html><head></head><body><header>\n<title>http://info.cern.ch/\n</title>\n</header>\n\n<h1>- http://info.cern.ch - home of the first website</h1>\n<p>From here you can:</p>\n<ul>\n<li><a href="http://info.cern.ch/hypertext/WWW/TheProject.html">Browse the first website</a></li>\n<li><a href="http://line-mode.cern.ch/www/hypertext/WWW/TheProject.html">Browse the first website using the line-mode browser simulator</a></li>\n<li><a href="http://home.web.cern.ch/topics/birth-web">Learn about the birth of the web</a></li>\n<li><a href="http://home.web.cern.ch/about">Learn about CERN, the physics laboratory where the web was born</a></li>\n</ul>\n</body></html>\n'
data sent
█
```

Running the proxy for a 2nd time

```
request method: GET, requested URL: http://info.cern.ch/ -> domain: info.cern.ch, path: index.html
file was found in the local cache at the proxy
data sent
request method: GET, requested URL: http://info.cern.ch/ -> domain: info.cern.ch, path: index.html
file was found in the local cache at the proxy
data sent
█
```

When putting in <http://info.cern.ch/cs3640>



This 172.17.90.134 page can't be found

No webpage was found for the web address: <http://172.17.90.134:12000/hei.html>

HTTP ERROR 404

Reload

Not Found

The requested URL /cs3640 was not found on this server.