No Cache

```
Edels-MacBook-Pro:Assignment_4_http edelebarcenas$ rm cache.txt
Edels-MacBook-Pro:Assignment_4_http edelebarcenas$ python3 httpclient.py localhost:12000/filename.html
Connection to Server established

GET /filename.html HTTP/1.1\r\n
Host: localhost:12000\r\n
\r\n

HTTP/1.1 200 OK\r\n
Date: Tue, 30 Mar 2021 23:37:05 \r\n
Last-Modified: Wed, 24 Mar 2021 19:53:23 GMT\r\n
Content-Length: 720\r\n
Content-Type: text/html; charset=UTF-8\r\n
\r\n
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
  <meta http-equiv="Content-Style-Type" content="text/css">
  <title></title>
  <meta name="Generator" content="Cocoa HTML Writer">
  <meta name="CocoaVersion" content="1404.47">
  <style type="text/css">
    p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px Helvetica}
  </style>
</head>
<body>
<p class="p1">&lt;html&gt;</p>
<p class="p1">&lt;p&gt;First Line&lt;br /&gt;</p>
<p class="p1">Second Line&lt;br /&gt;</p>
<p class="p1">Third Line&lt;br /&gt;</p>
<p class="p1">COMPLETE&lt;p&gt;</p>
<p class="p1">&lt;html&gt;</p>
</body>
</html>
```

File Cached

```
Edels-MacBook-Pro:Assignment_4_http edelebarcenas$ python3 httpclient.py localhost:12000/filename.html
Connection to Server established

GET /filename.html HTTP/1.1\r\n
Host: localhost:12000\r\n
If-Modified-Since: Wed, 24 Mar 2021 19:53:23 GMT\r\n
\r\n

HTTP/1.1 304 Not Modified\r\n
Date: Tue, 30 Mar 2021 23:37:46 \r\n
\r\n

Edels-MacBook-Pro:Assignment_4_http edelebarcenas$
```

File Does Not Exist

```
Edels-MacBook-Pro:Assignment_4_http edelebarcenas$ python3 httpclient.py noneExistingFile:12000/nothing.html
Connection to Server established

GET /nothing.html HTTP/1.1\r\n
Host: noneExistingFile:12000\r\n
\r\n

HTTP/1.1 404 Not Modified\r\n
Date: Tue, 30 Mar 2021 23:39:16 \r\n
Content-Length: 0\r\n
\r\n

Edels-MacBook-Pro:Assignment_4_http edelebarcenas$ ▮
```

Server for all three scenarios

```
Edels-MacBook-Pro:Assignment_4_http edelebarcenas$ python3 httpserver.py 127.0.0.1 12000
Server listening on port: 12000

Connection with ('127.0.0.1', 51890) established
Connection with ('127.0.0.1', 51891) established
Connection with ('127.0.0.1', 51892) established
▮
```