Report

Assignment 2
1DV701

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Contents

1 Problem 1
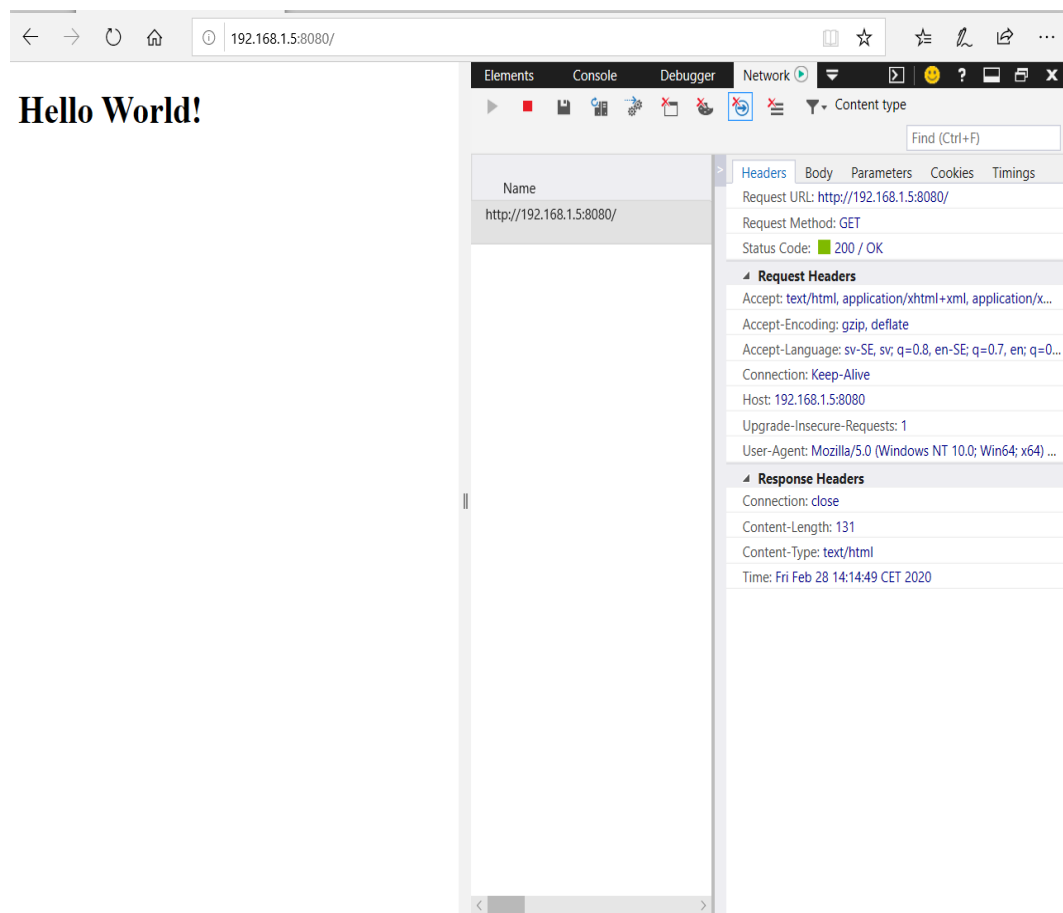

Figure 1: Main Index.

```
C:\WINDOWS\system32\cmd.exe                                    —    □    X

OK: Page b
OK: Fake Page c
OK: Index c
OK: Page c
OK: Page fail
OK: Page in dir fail
OK: Dir no index fail
OK: Image fail

C:\Python38>testa2.py
OK: Main index page
OK: Named page
OK: Named page
OK: Clown PNG
OK: Bee PNG
OK: World PNG
OK: Index a
OK: Page a
OK: Fake page b
OK: Index b
OK: Page b
OK: Fake Page c
OK: Index c
OK: Page c
OK: Page fail
OK: Page in dir fail
OK: Dir no index fail
OK: Image fail

C:\Python38>
```
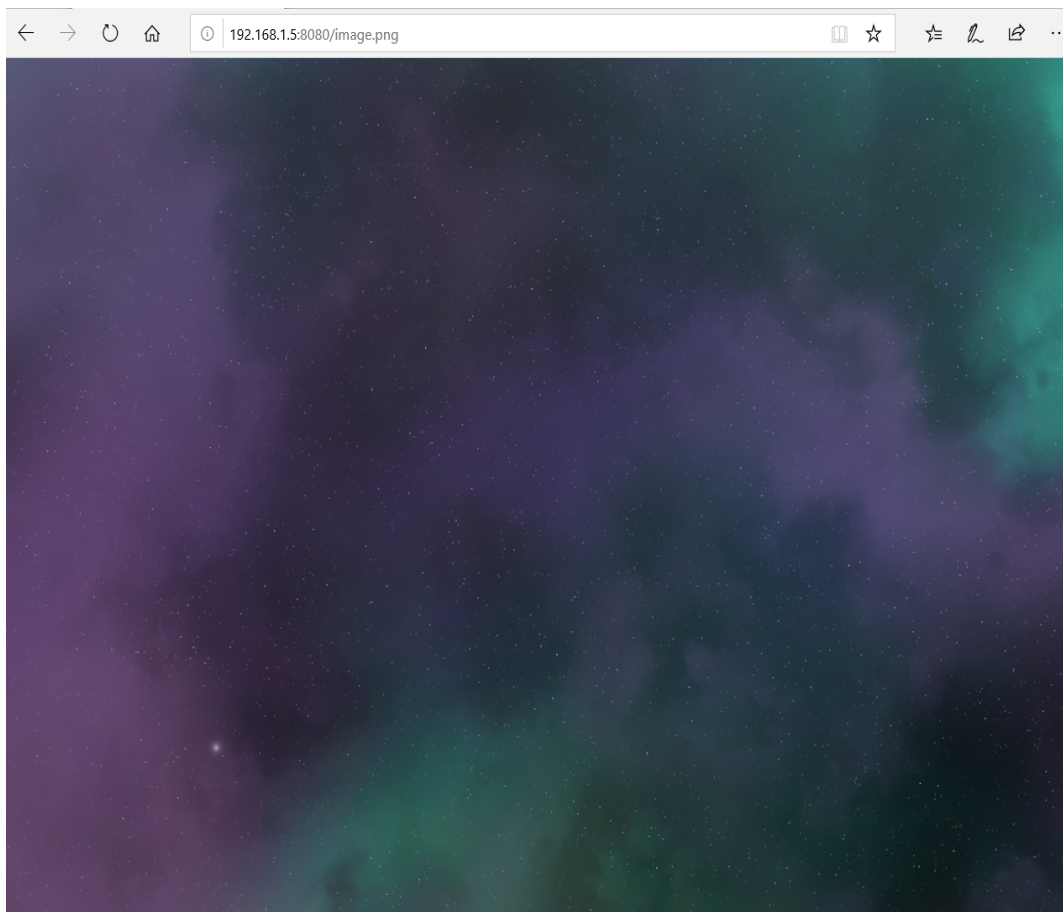
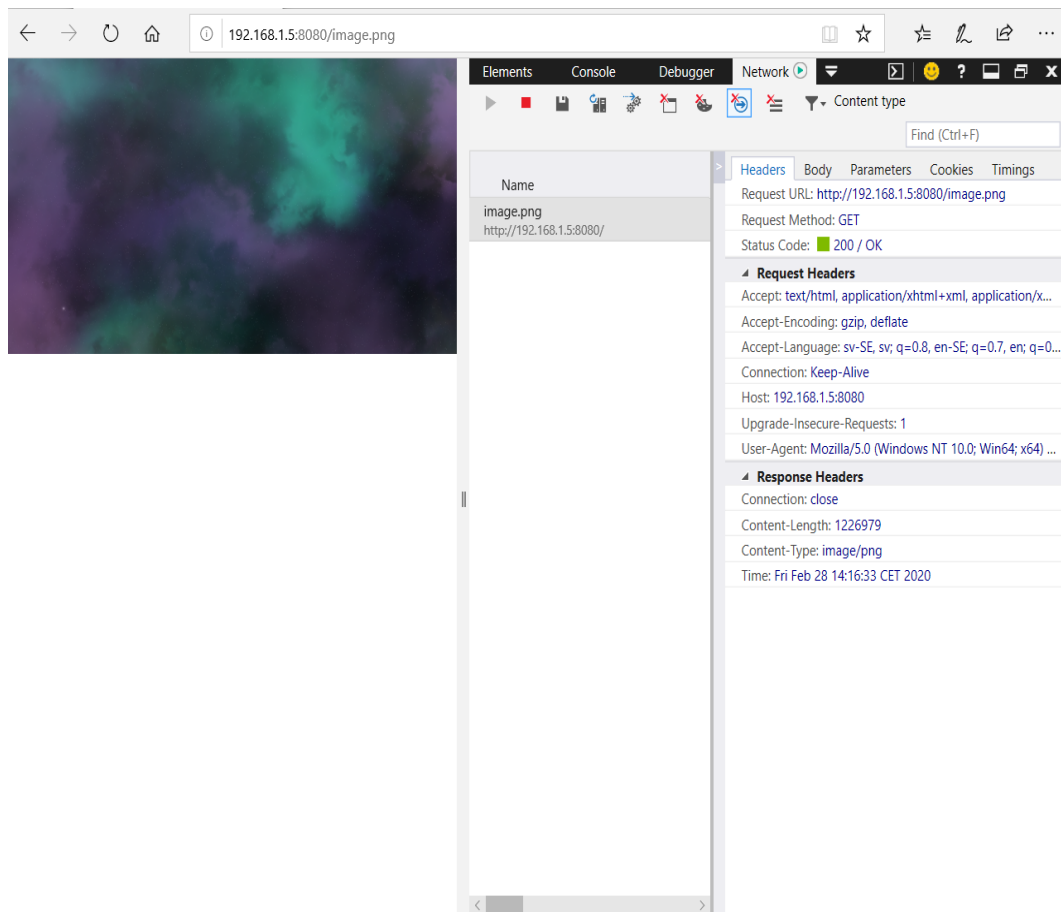Figure 2: Python Test

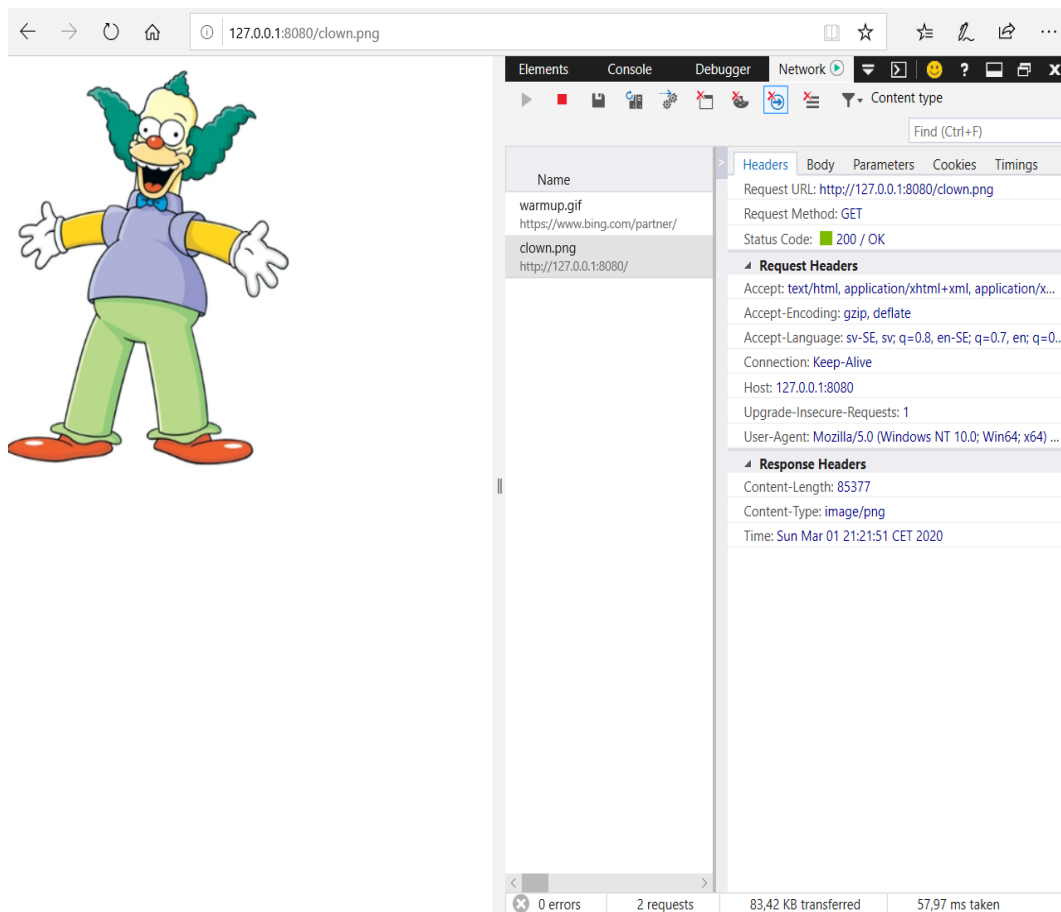Figure 3: Requesting image

Figure 4: Requesting image

Figure 5: Requesting the Clown image

1.1 Discussion

The implementation only supports the HTTP get method—figure 1 displaying the index pager after requesting with the backslash. Figure 2 shows that the implementation passed the Python test. Figures 3, 4, and 5 show the images after making requests to display them.

Furthermore, the Response Headers also can be seen in the figures where the response header shows the status line with the response code, content type, content length, and the time and the date.
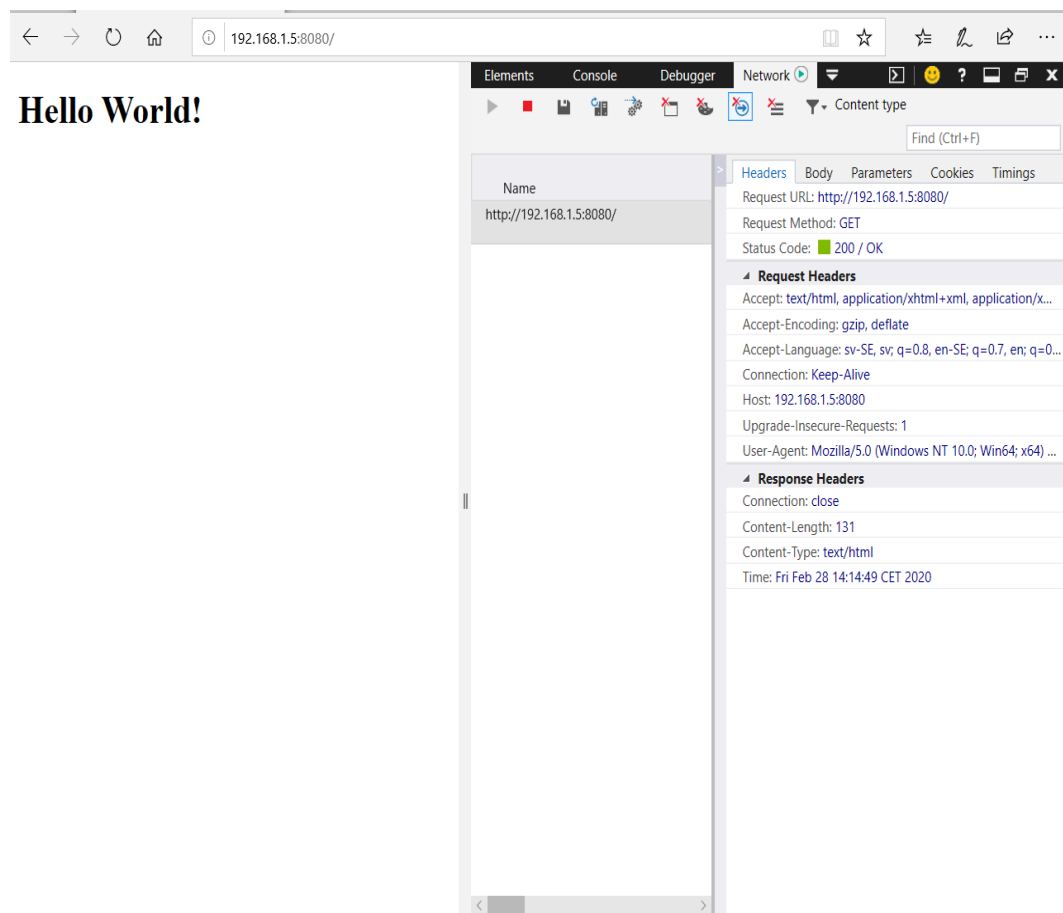
2 Problem 2
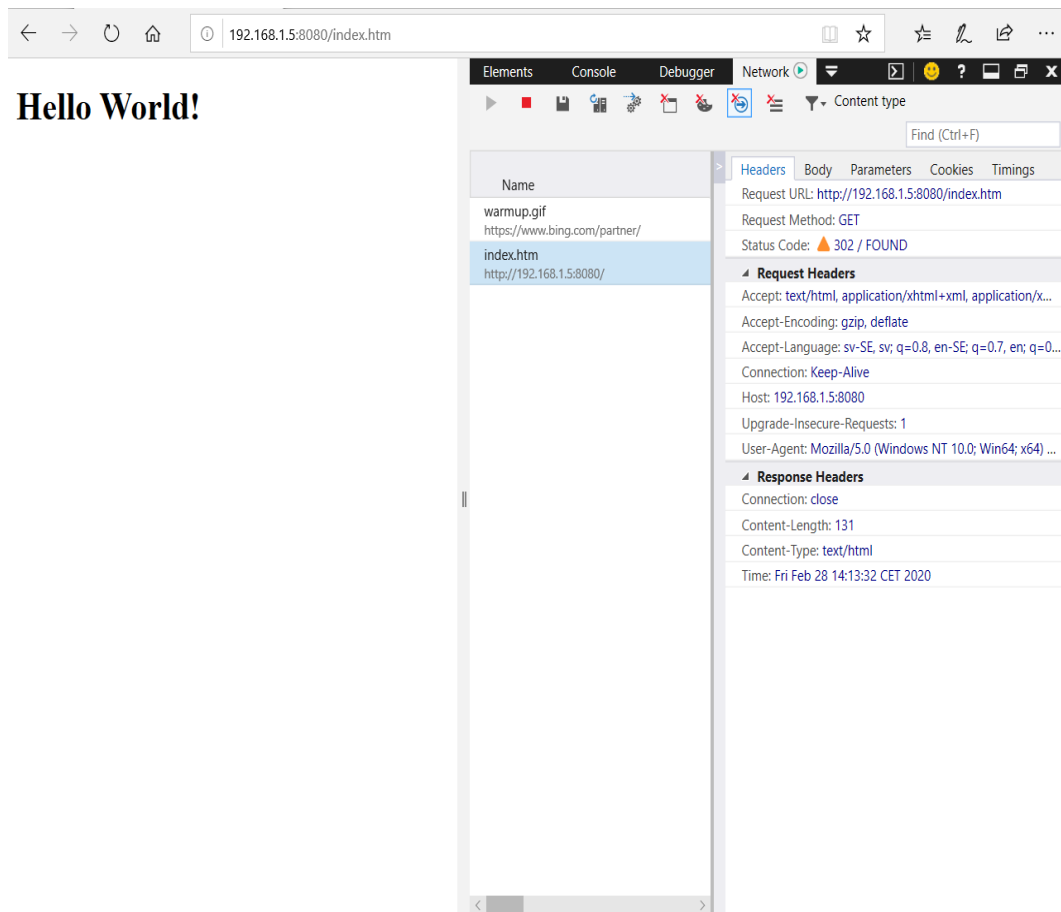

Figure 6: Code 200

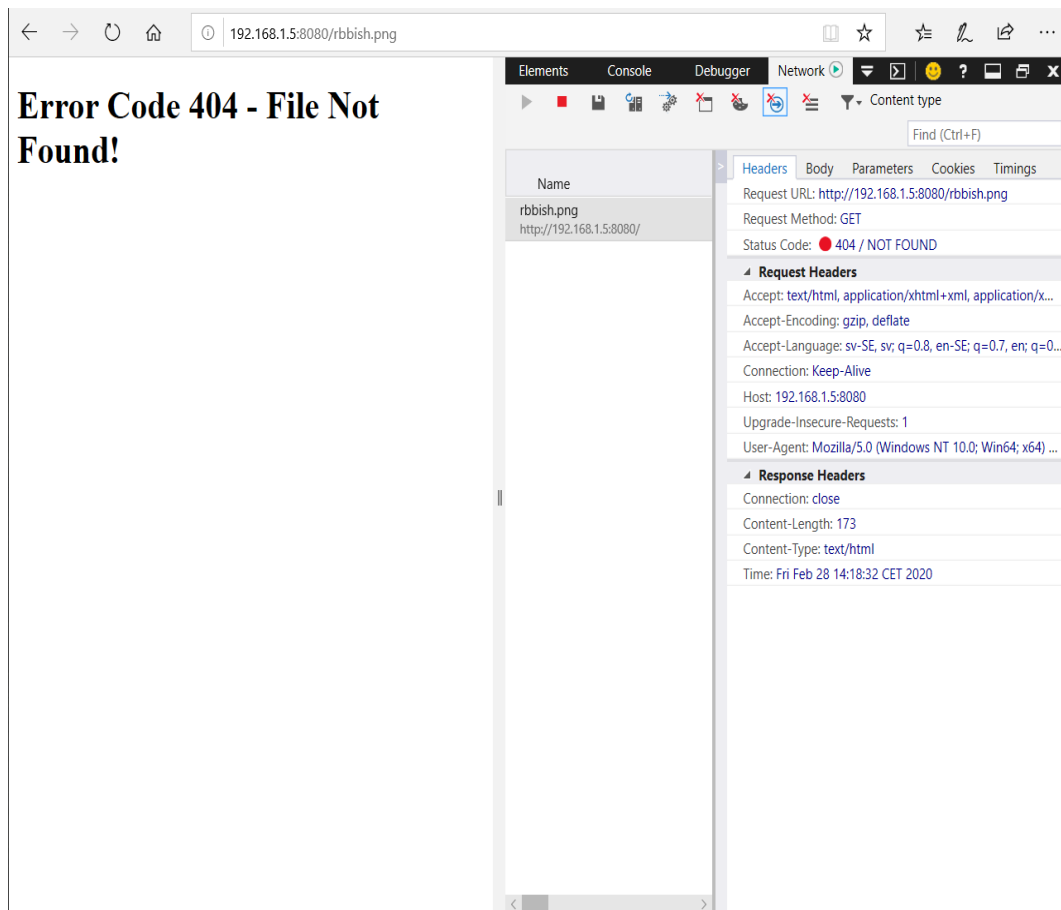Hello World!

Figure 7: index.htm - Code 302
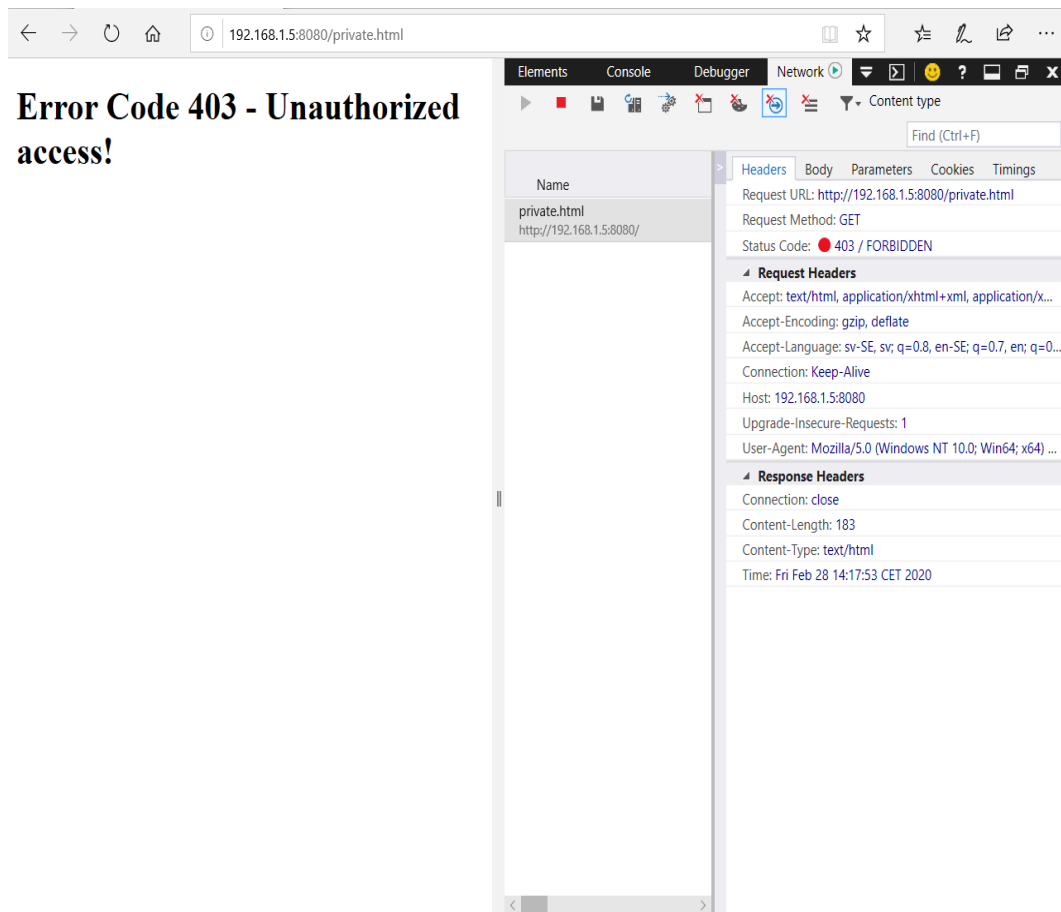
Figure 8: Not Found - Code 404
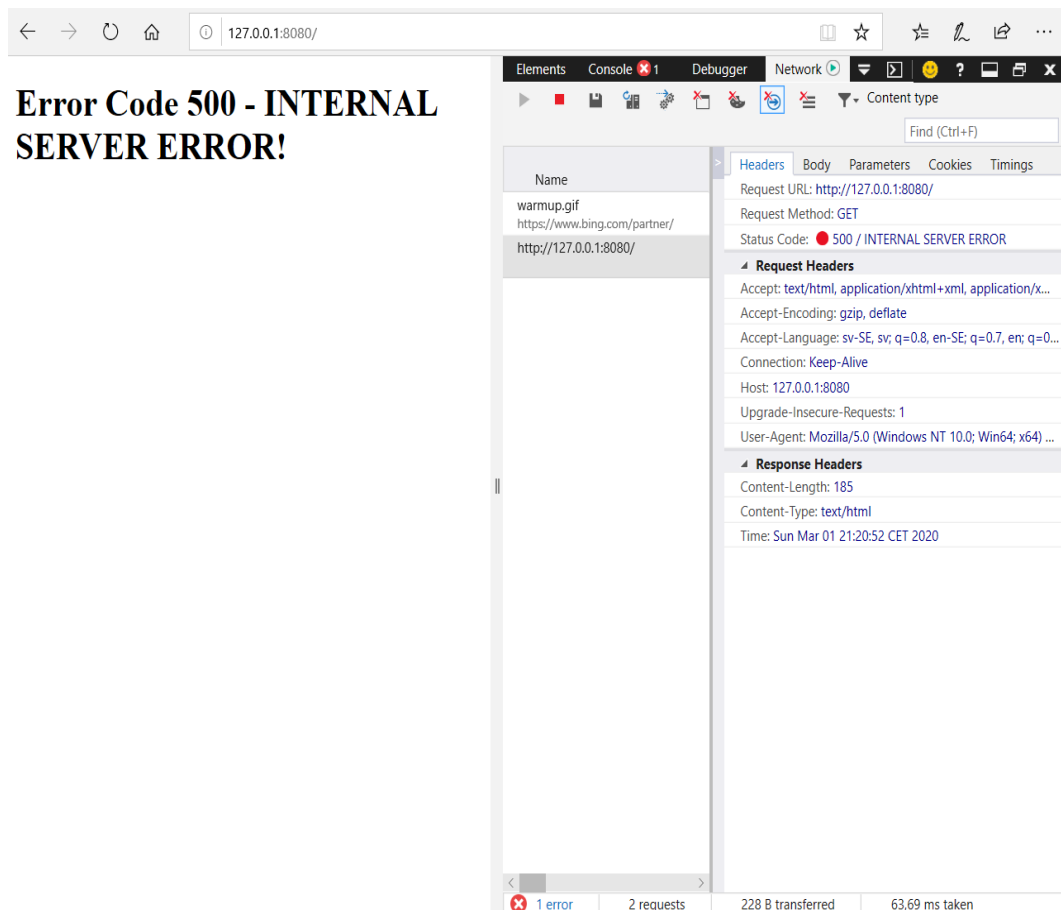
Figure 9: Forbidden - Code 403
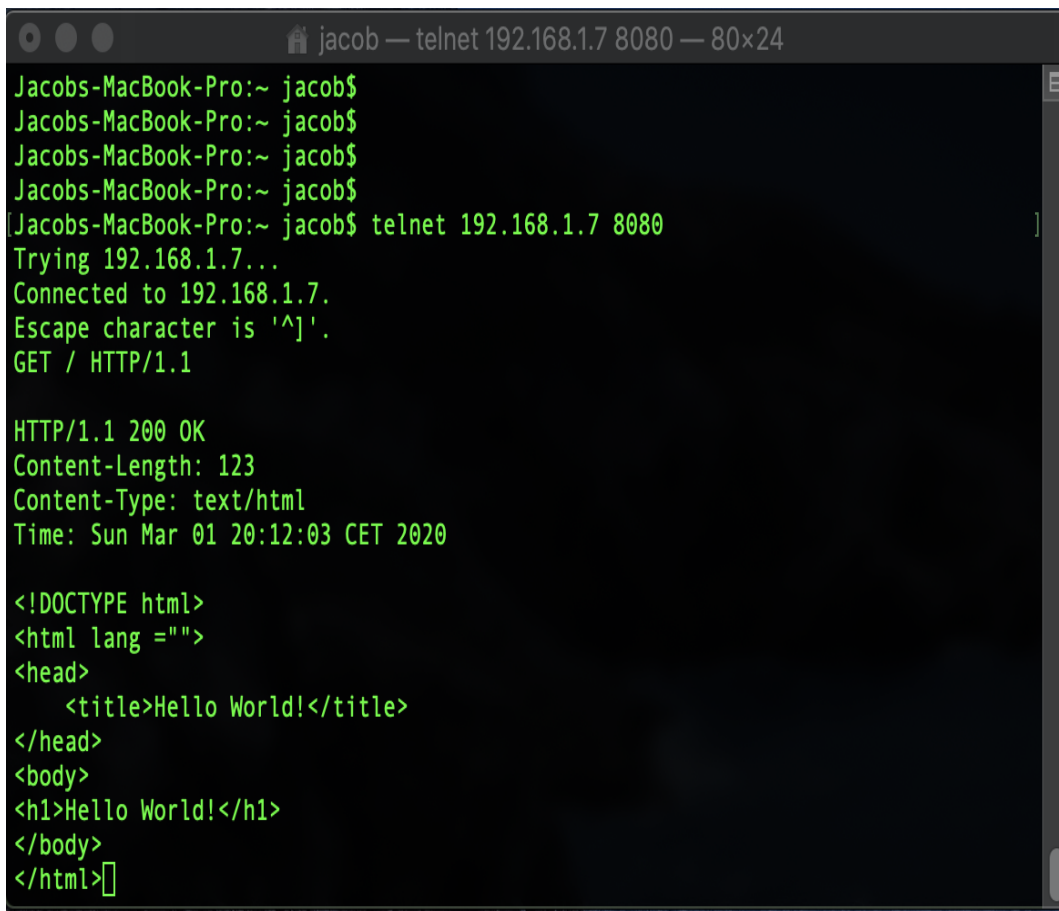
Figure 10: Internal Error - Code 500

2.1 Discussion

When the client requests the index.htm, the implementation will modify the path to make it index.html, and that means the response code Found applies, see Figure 7. Figure 6 demonstrates the response code OK.

An HTML file was made private to demonstrate the response code FORBIDDEN when the client try to access this file will get the response code 403, see figure 9. Figure 8 illustrates when the client requests a non-existing file.

Internal Errors mostly are related to sockets in terms of writing to receiving, a refactor was made to generate an error, see Figure 10.

3   Problem 3
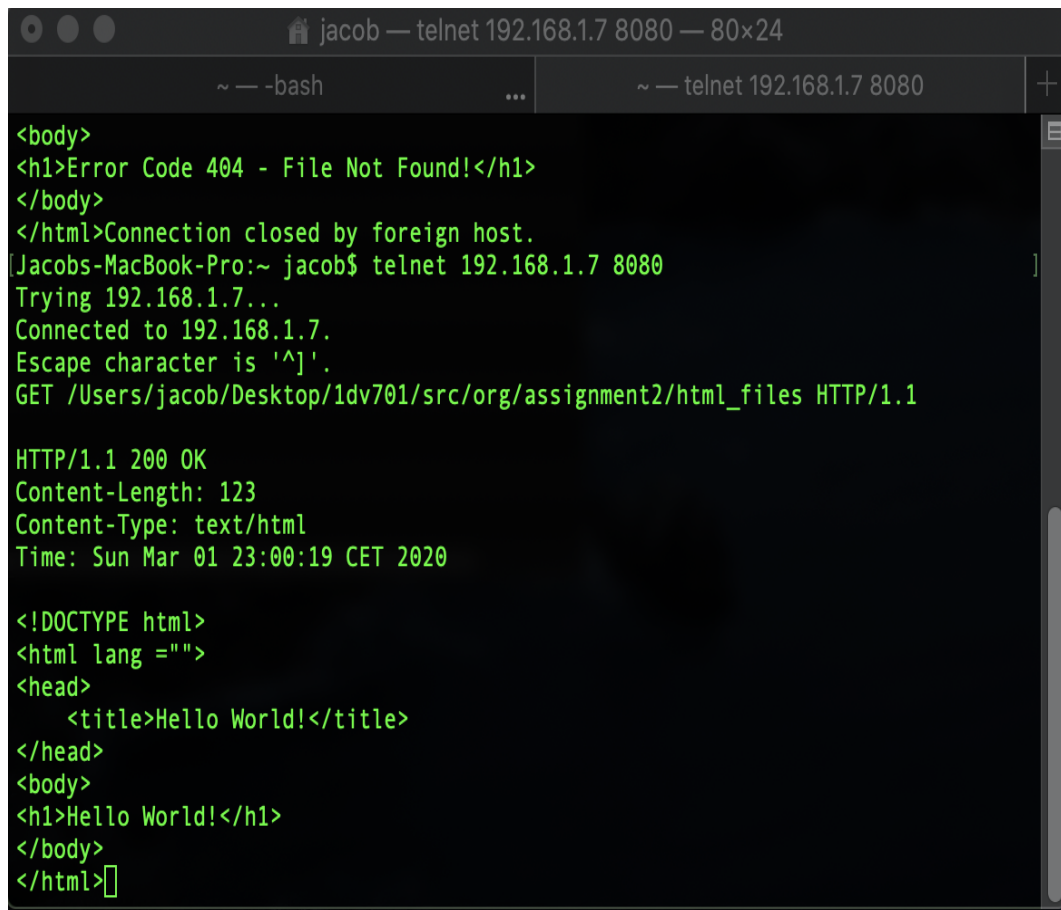
Figure 11: GET request with the Back-Slash

Figure 12: GET requesting the index page

Figure 13: GET requesting the index page throw the directory

3.1 Discussion

Figure 11 shows, the use of telnet to get the main index by requesting it with the backslash.
Figure 12 shows how to get the index page by requesting it and Figure 13 shows the same
the only difference is requesting it throw the directory. Figure 12 shows how to get the
index page by requesting it by its name and Figure 13 shows the same the index page but
the request was different, e.g. throw the directory.

The Figures show also the response headers and the HTML body. There is no real
difference between the two requests other than throwing different calls, the index can be
requested through the backslash or throw its directory.