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CSE 310

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Assignment 1 Screenshots

1. webserver.py successfully loading HelloWorld.html in the same directory as it

The screenshot shows a Mac desktop with a terminal window and a browser window. The terminal window is titled "Assignment1 -- bash - 92x26" and contains Python code for a web server. The browser window is titled "Not Secure | 172.25.92.249:1124>HelloWorld.html" and displays the text "Hello World!". Below the terminal window, the status bar shows "Ln 15, Col 18 Spaces: 4 UTF-8 LF Python ⚡ Prettier".

```
(base) JinnyShin-MacBook-Pro:Assignment1 JinnyShin$ python webserver.py
The server is ready to receive
[Traceback (most recent call last):
  File "webserver.py", line 9, in <module>
    connectionSocket, addr = serverSocket.accept()
  File "/opt/anaconda3/lib/python3.8/socket.py", line 292, in accept
    fd, addr = self._accept()
KeyboardInterrupt

(base) JinnyShin-MacBook-Pro:Assignment1 JinnyShin$ python webserver.py
The server is ready to receive
GET /HelloWorld.html HTTP/1.1
Host: 172.25.92.249:1124
Connection: keep-alive
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/93.0.4577.82 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/*,*;q=0.8,application/signed-exchange;v=b3;q=0.9
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9,ko;q=0.8

HelloWorld.html
(base) JinnyShin-MacBook-Pro:Assignment1 JinnyShin$ 

0 OK\n\n' + found
4 NOT FOUND\n\n'
nse.encode()
```

2. webserver.py failed because client requested for a file not existing in the directory

The screenshot shows a Mac desktop with a terminal window and a browser window. The terminal window is titled "Assignment1 -- bash - 92x26" and contains Python code for a web server. The browser window is titled "172.25.92.249/hello.html" and displays an error message: "This 172.25.92.249 page can't be found. No webpage was found for the web address: http://172.25.92.249:1124/hello.html. HTTP ERROR 404". Below the terminal window, the status bar shows "Ln 15, Col 18 Spaces: 4 UTF-8 LF Python ⚡ Prettier".

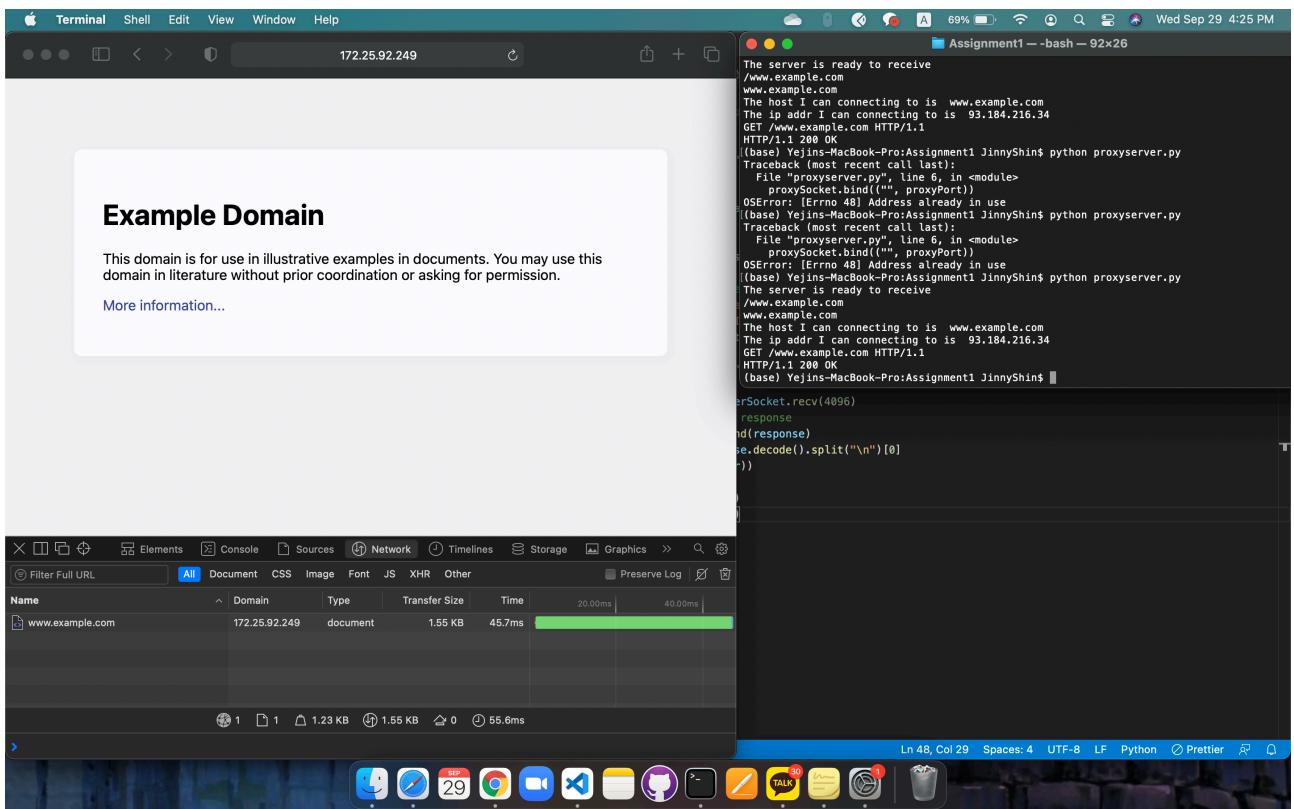
```
Accept-Language: en-US,en;q=0.9,ko;q=0.8

HelloWorld.html
(base) JinnyShin-MacBook-Pro:Assignment1 JinnyShin$ python webserver.py
Traceback (most recent call last):
  File "webserver.py", line 5, in <module>
    serverSocket.bind(("", serverPort))
OSError: [Errno 48] Address already in use
(base) JinnyShin-MacBook-Pro:Assignment1 JinnyShin$ python webserver.py
The server is ready to receive
GET /hello.html HTTP/1.1
Host: 172.25.92.249:1124
Connection: keep-alive
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/93.0.4577.82 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/*,*;q=0.8,application/signed-exchange;v=b3;q=0.9
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9,ko;q=0.8

hello.html
(base) JinnyShin-MacBook-Pro:Assignment1 JinnyShin$ 

0 OK\n\n' + found
4 NOT FOUND\n\n'
nse.encode()
```

3. client could get the file she requested via web proxy. www.example.com was used.



4. Reloading www.example.com. the time spent for this second try is less than the first try above.

