

Web server:

1. Run singleThreaderServer.py or multiThreadedServer.py in one terminal
2. Run client.py in another terminal
3. Change up the request from client.py to test for different responses

Test cases:

HTTP/1.1 200 OK

Client request: GET /test.html HTTP/1.1\r\n

HTTP/1.1 200 OK

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <title></title>
    <meta name="author" content="" />
    <meta name="description" content="" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
  </head>

  <body>
    <p>
      Congratulations! Your Web Server is Working!
    </p>
  </body>
</html>
```

HTTP/1.1 304 NOT MODIFIED

Client request: GET /test.html HTTP/1.1\r\n

Didn't modify anything and tried to request the same get command

HTTP/1.1 304 NOT MODIFIED

Not Modified

HTTP/1.1 200 OK

Client request: GET /test.html HTTP/1.1\r\n

Modified test.html

```
[filipomarcellino@Filipos-MacBook-Air mp % python3 client.py
HTTP/1.1 200 OK

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <title></title>
    <meta name="author" content="" />
    <meta name="description" content="" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
  </head>

  <body>
    <p>
      Congratulations! Your Web Server is Working! And this file is modified
    </p>
  </body>
</html>
```

HTTP/1.1 404 NOT FOUND

Client request: GET /tst.html HTTP/1.1\r\n

Changed test.html to tst.html, a file that doesn't exist

```
HTTP/1.1 404 NOT FOUND
```

```
/tst.html Not Found
```

HTTP/1.1 400 BAD REQUEST

Client request: POST /test.html HTTP/1.1\r\n

Changed GET to POST request, which is a bad request

```
HTTP/1.1 400 BAD REQUEST
```