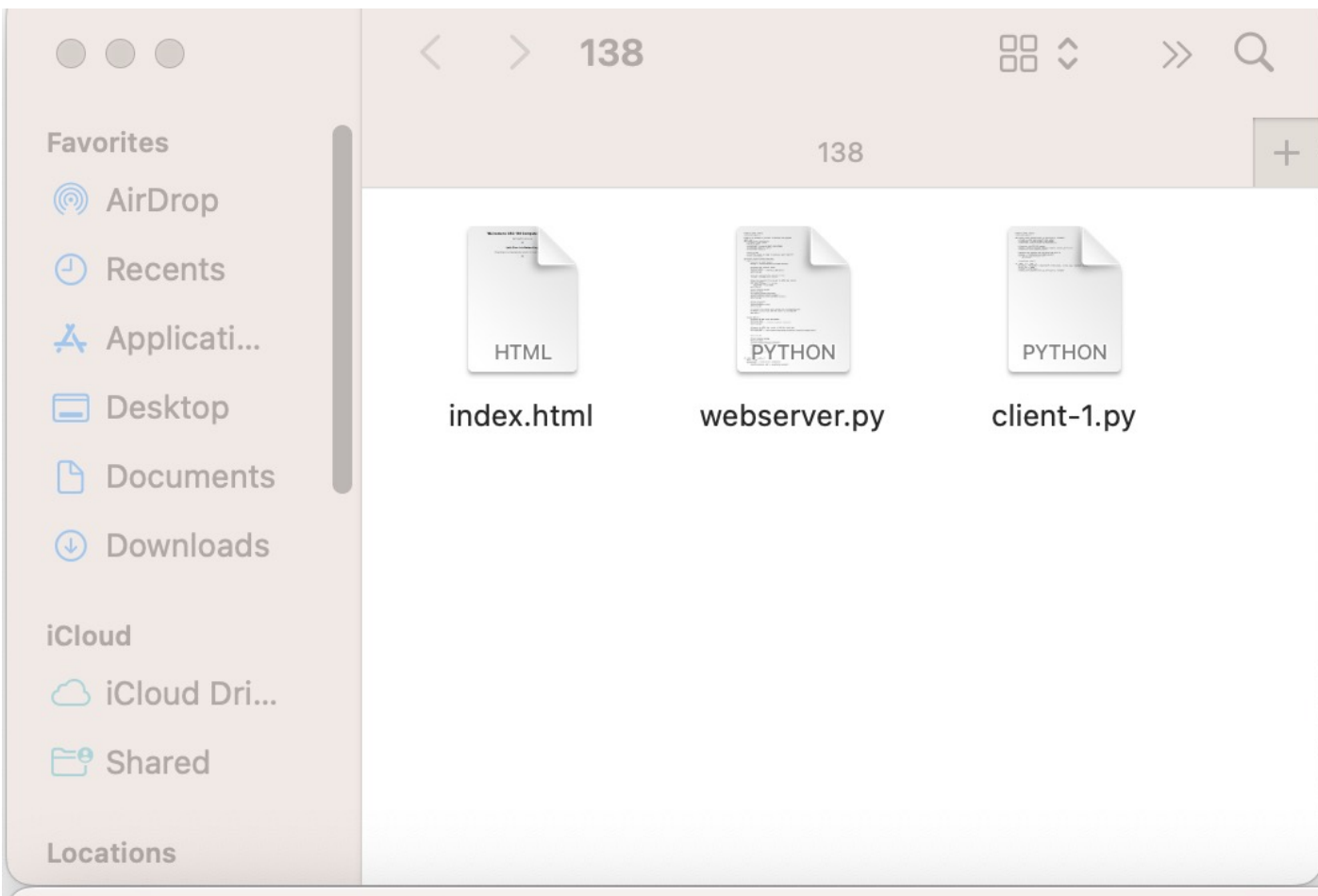
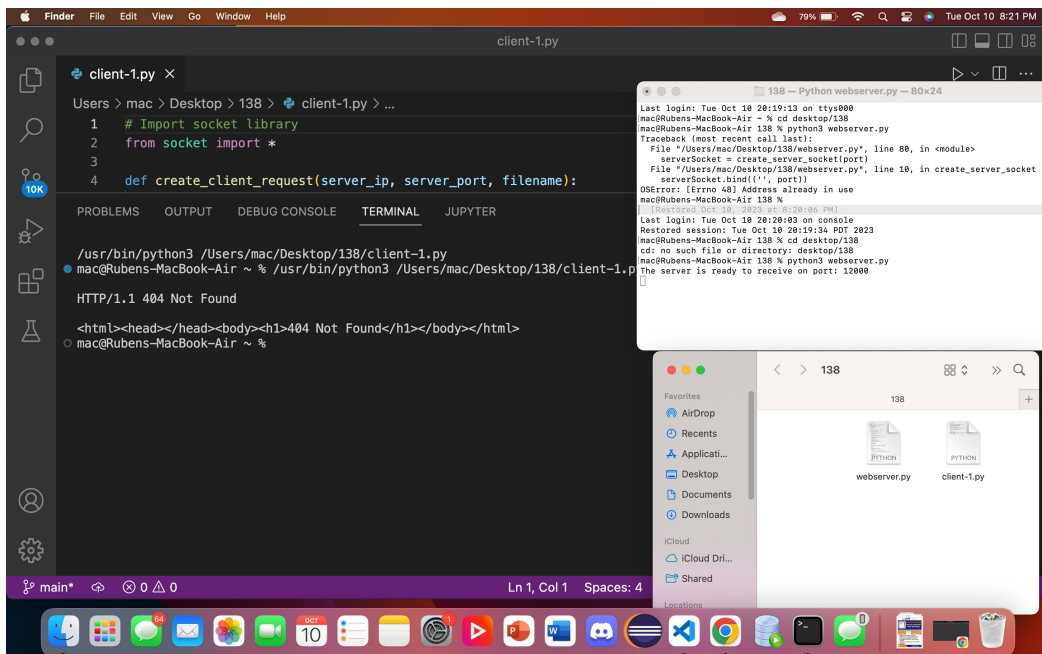


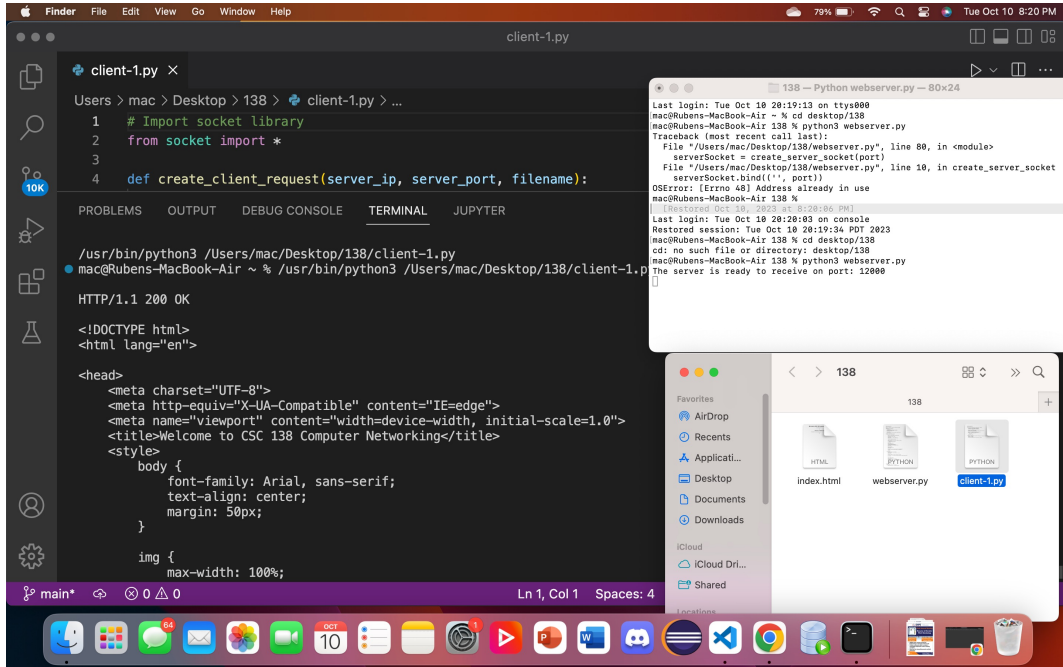
I created a folder named csc138 with 3 files in it. My webserver, the client and the index.html file.



All my tests were done on an m1 MacBook Air. I ran the server.py file in the terminal and I ran the client.py file in VS code.



For the first test case I ran my server.py file in the terminal and then I opened the client.py file in VS code. The html file **was in** my 138 folder so the contents of the HMTL file were printed in VS code terminal since that is where I ran my client .



The screenshot shows a VS Code editor with a file named `client-1.py` open. The code defines a function `create_client_request` that sends an HTTP request to `138` on port `12000`. The terminal output shows the request being sent and the response received: `HTTP/1.1 200 OK`. The response body contains HTML content, including a title "Welcome to CSC 138 Computer Networking" and a style block. A Finder window in the background shows the `138` folder containing `index.html`, `webserver.py`, and `client-1.py`.

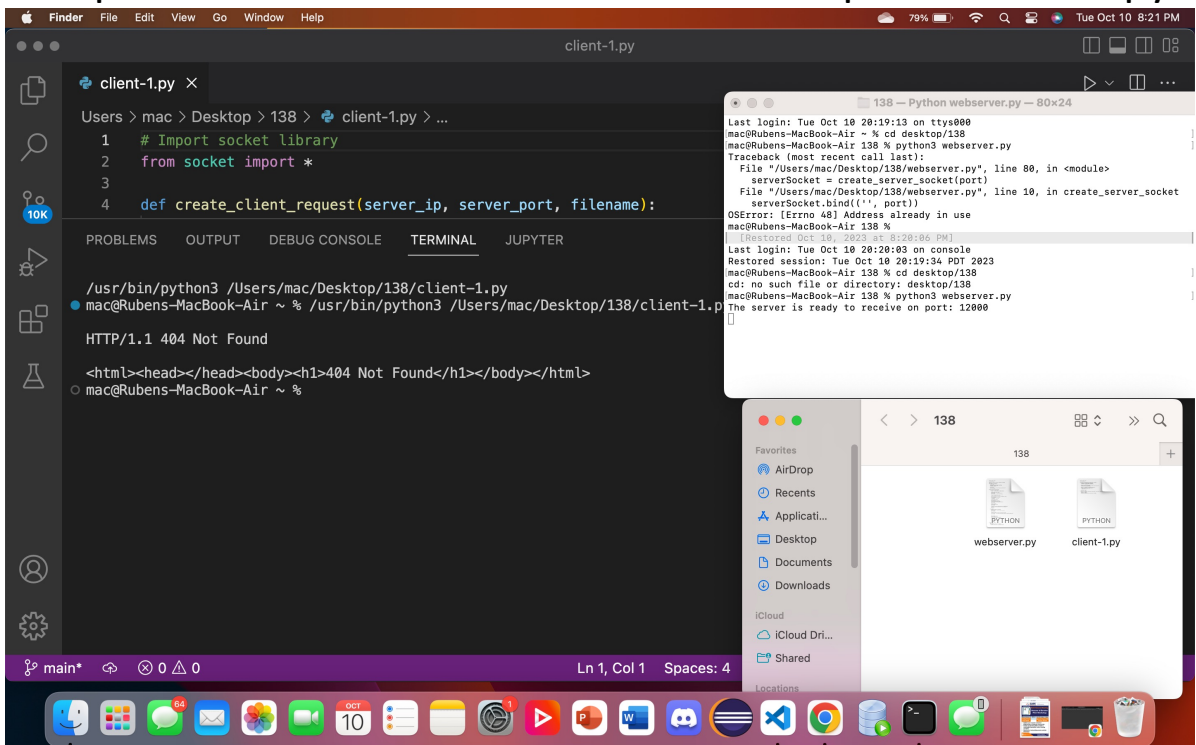
```
Users > mac > Desktop > 138 > client-1.py > ...
1 # Import socket library
2 from socket import *
3
4 def create_client_request(server_ip, server_port, filename):
    ...
    s.send('GET /' + filename + ' HTTP/1.1\r\nHost: ' + server_ip + '\r\n\r\n')
    s.close()

/usr/bin/python3 /Users/mac/Desktop/138/client-1.py
mac@Rubens-MacBook-Air ~ % /usr/bin/python3 /Users/mac/Desktop/138/client-1.py
HTTP/1.1 200 OK

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome to CSC 138 Computer Networking</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 50px;
    }
  </style>
  
  </img>
</head>
<body>
  <h1>404 Not Found</h1>
</body>
</html>
```

For the second test case I ran my server.py file in the terminal and then I opened the client.py file in VS code. The html file was **not** in my 138 folder so 404 not found and the contents of an empty html file were printed in the terminal that I used to open the client.py file.



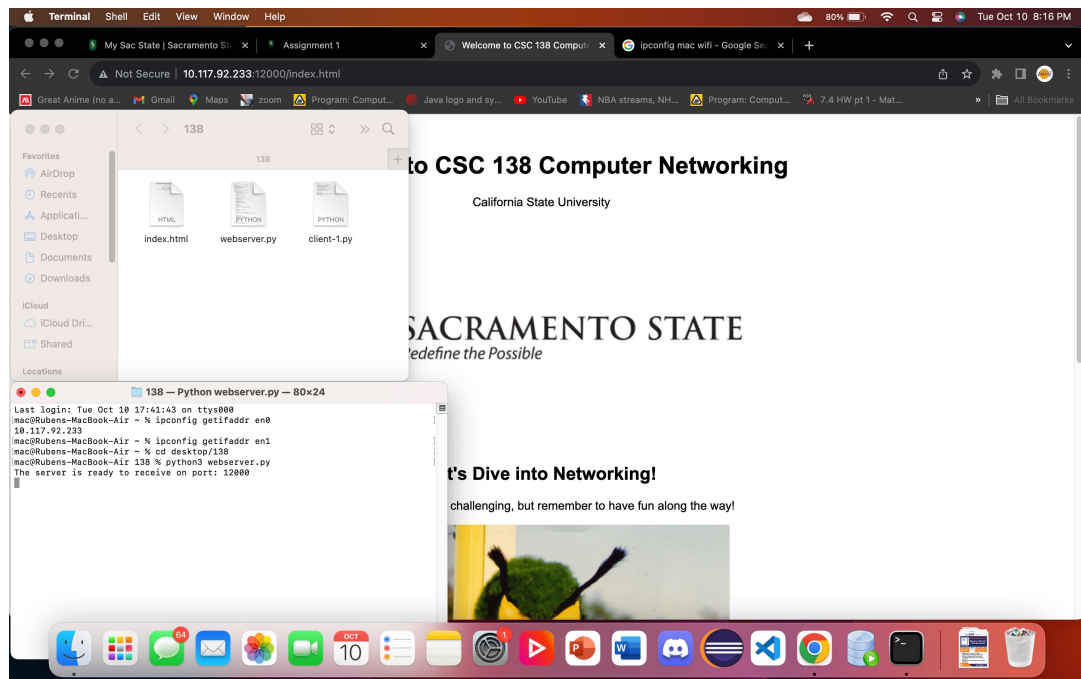
The screenshot shows a VS Code editor with a file named `client-1.py` open. The code defines a function `create_client_request` that sends an HTTP request to `138` on port `12000`. The terminal output shows the request being sent and the response received: `HTTP/1.1 404 Not Found`. The response body contains an empty HTML document. A Finder window in the background shows the `138` folder containing `webserver.py` and `client-1.py`.

```
Users > mac > Desktop > 138 > client-1.py > ...
1 # Import socket library
2 from socket import *
3
4 def create_client_request(server_ip, server_port, filename):
    ...
    s.send('GET /' + filename + ' HTTP/1.1\r\nHost: ' + server_ip + '\r\n\r\n')
    s.close()

/usr/bin/python3 /Users/mac/Desktop/138/client-1.py
mac@Rubens-MacBook-Air ~ % /usr/bin/python3 /Users/mac/Desktop/138/client-1.py
HTTP/1.1 404 Not Found

<html><head></head><body><h1>404 Not Found</h1></body></html>
```

For the second example I found my macs ip address and copied that into the link in assignment 1. When I clicked the link with my IP address with my server running and the html file **in my 138 folder** the html file loaded in my browser.



For the second example I found my macs ip address and copied that into the link in assignment 1. When I clicked the link with my IP address with my server running and the html file **not in my 138 folder** the web browser displayed 404 not found.

