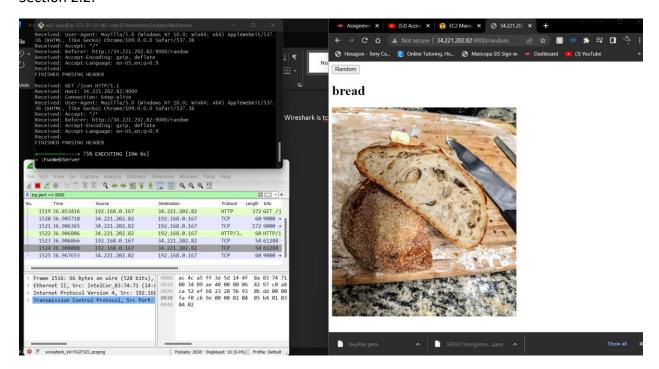Robby Gonzalez

Dr. Mehlhase

SER 321

Section 1 Part 1:

URL Used: https://api.github.com/repos/RobG5150/assign1git/branches/main

Section 1 Part 2:

https://api.github.com/repos/RobG5150/assign1git/branches/newbranch?per_page=50

{
  "name": "newbranch",
  "commit": {
    "sha": "3a99af65fd28b1282950043817d73abd428bb773",
    "node_id": "C_kwDOI1IPy9oAKDNhOTlhZjY1ZmQyOGIxMjgyOTUwMDQzODE3ZDczYWJkNDI4YmI3NzM",
    "commit": {
      "author": {
        "name": "Robg51",
        "email": "rjgonz14@asu.edu",
        "date": "2023-01-24T03:36:35Z"
      },
      "committer": {
        "name": "Robg51",
        "email": "rjgonz14@asu.edu",
        "date": "2023-01-24T03:36:35Z"
      },
      "message": "change on newbranch",
      "tree": {
        "sha": "251731e2cd1f00524297c28dd18e5f6a91dc6e06",
        "url": "https://api.github.com/repos/RobG5150/assign1git/git/trees/251731e2cd1f00524297c28dd18e5f6a91dc6e06"
      },
      "url": "https://api.github.com/repos/RobG5150/assign1git/git/commits/3a99af65fd28b1282950043817d73abd428bb773",
      "comment_count": 0,
      "verification": {
        "verified": false,
        "reason": "unsigned",
        "signature": null,
        "payload": null
      }
    }
  },
  "url": "https://api.github.com/repos/RobG5150/assign1git/commits/3a99af65fd28b1282950043817d73abd428bb773",
  "html_url": "https://github.com/RobG5150/assign1git/commit/3a99af65fd28b1282950043817d73abd428bb773",
  "comments_url": "https://api.github.com/repos/RobG5150/assign1git/commits/3a99af65fd28b1282950043817d73abd428bb773/comments",
  "author": {
    "login": "RobG5150",
    "id": 122696729,
    "node_id": "U_kgDOB1A0GQ",
    "avatar_url": "https://avatars.githubusercontent.com/u/122696729?v=4",
    "gravatar_id": "",
    "url": "https://api.github.com/users/RobG5150",
    "html_url": "https://github.com/RobG5150",
    "followers_url": "https://api.github.com/users/RobG5150/followers",
    "following_url": "https://api.github.com/users/RobG5150/following{/other_user}",
    "gists_url": "https://api.github.com/users/RobG5150/gists{/gist_id}",
    "starred_url": "https://api.github.com/users/RobG5150/starred{/owner}{/repo}",
    "subscriptions_url": "https://api.github.com/users/RobG5150/subscriptions",
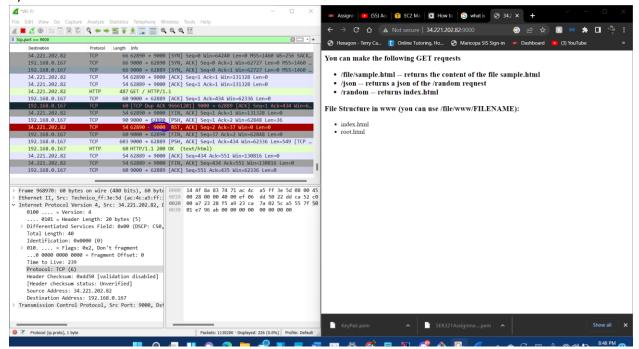
Section 2.2:

1) The filter I chose to use on Wireshark is tcp.port == 9000. The port was specified in the document so it made sense to use that filter and pick up traffic from that port specifically.

2) The random button will switch between the two pictures every time you press it. When you press the refresh button or F5 it will do the same however every time before showing the picture a page will appear with the word "Test" on it.
3) I was able to see a couple such as the GET code being 372 and the OK being 200
4) Well the first one was the 372 get command which came when I requested to see the random page. The 200 code was the ok code confirming that the directory I wanted to visit, in this case /random, was available and then let me access it.
5) I do see the get and okay responses and I am able to find certain data such as "these are the get responses.." etc.
6) HTTPS is more common because it would prevent me being able to access the data that I was able to see in question number 5.
7) In our case the server is listening for the port 9000 and no the most common port for HTTP is port 80.
8) According to my wireshark, port 59943

2.3

1) the URL I used was http://34.221.202.82:9000/ when I used it without that specific port it would show up an error with nginx.

2) it looks like its redirecting all of the traffic to port 51068 whenever I try to access without the specified port.

3) HTTP I can still access information

4)

2.5.4

Request:

"host:PORT/power?num1=1&num2=2"

Path:

power

Body Parameter:

num1 (int) -required

num2 (int) -required

Response:

"Result is: " + result

HTTP response status codes:

200 – OK Power function executed correctly

206 – Content Missing

400 – Bad Request

Request:

"host:PORT/GCD?num1=1&num2=2"

Path:

power

Body Parameter:

num1 (int) -required

num2 (int) -required

Response:

"Result is: " + result

HTTP response status codes:

200 – OK GCD computed correctly

206 – Content Missing

400 – Bad Request