Networks Project

Team members:

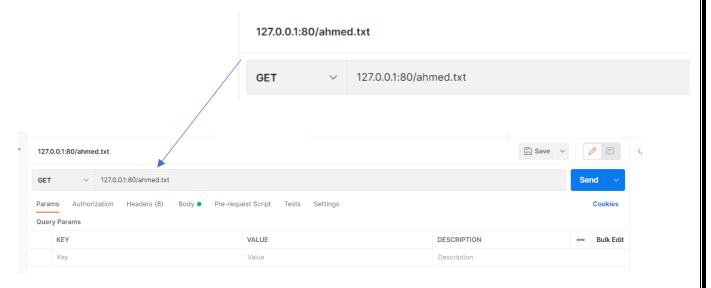
Seif Mohamed : 6624

Rawan Hindawy : 6491

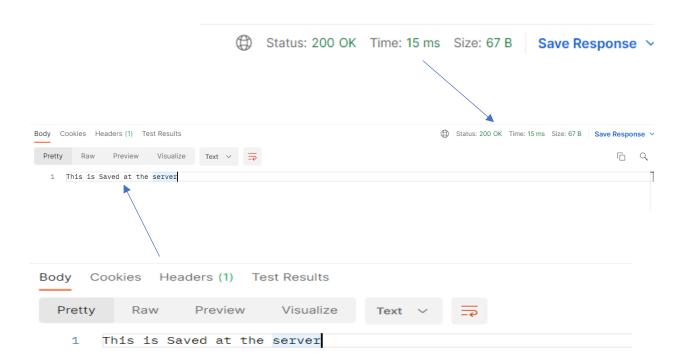
Mennatallah Mostafa : 6234

***** Testing the server using postman:

1)The request sent (GET):



The response:



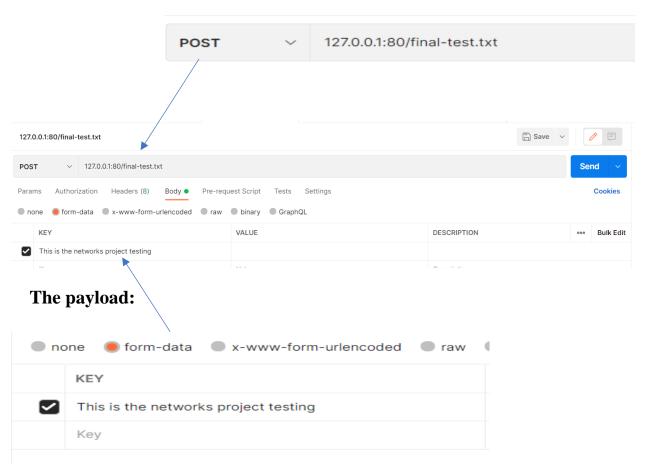
Contents of the file:

```
client.py × server\ahmed.txt × MetworksSocket\ahmed.txt ×

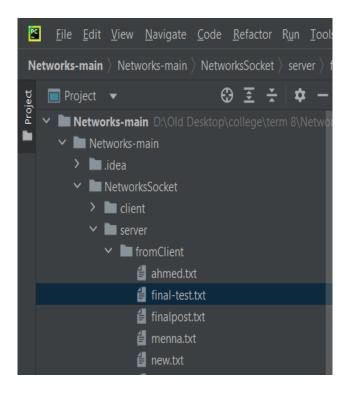
This is Saved at the server
```

1)The request sent (POST):

127.0.0.1:80/final-test.txt

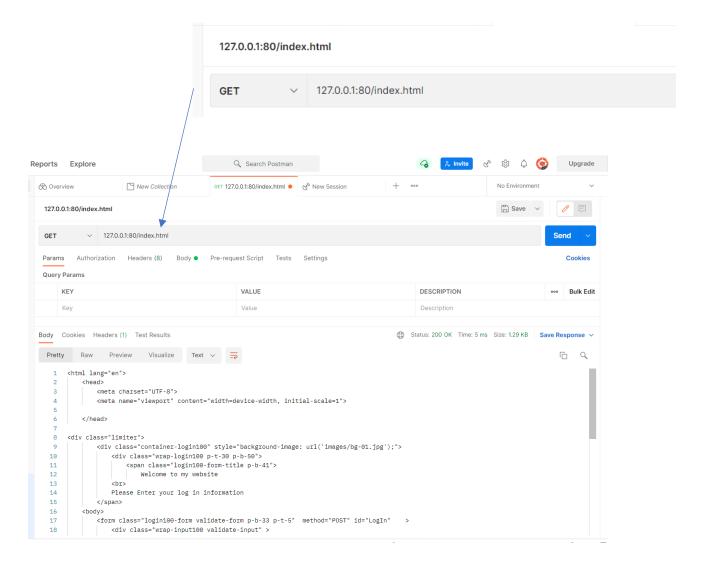


The created file:





❖ Getting an html file

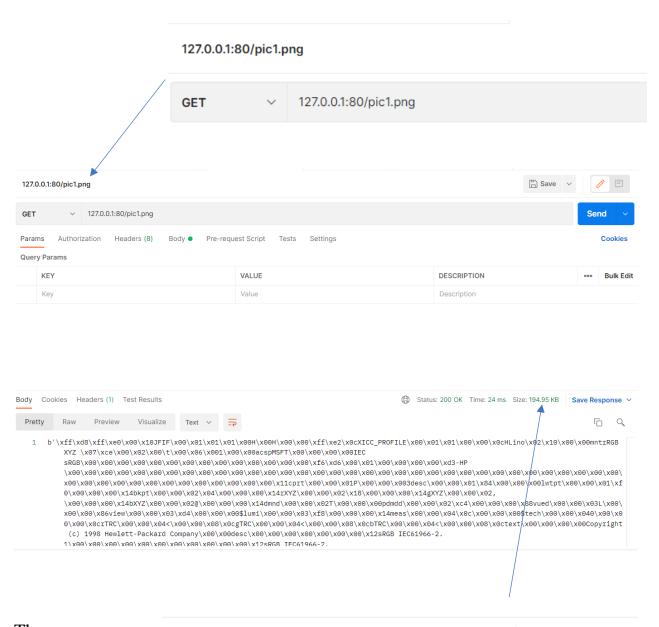


Preview of the file:



First time Visiter Register Now

❖ Getting a png file



The response:

Status: 200 OK Time: 24 ms Size: 194.95 KB

Save Response

***** Testing the client (with a general server)

The request sent:

```
requests.txt

client.py × client.py × server.py × formula final-test.txt × formula final-test.tx
```

The file created:

```
client.py × server.py × final-test.txt × requests.txt × TheProject.html ×

1 <!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
2 <a href="https://docs.org/len.new.org/">httml><head>
3 <a href="https://docs.org/">httml><head><a href="https://docs.org/">httml><head><a href="https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https://docs.org/">https
```

Note:

We cannot test the post method as we can't see the contents of any general server

***** Testing our local server and client:

The sent requests:

The responses:

Reading the input file:

The responses of each request:

The input file:

```
Run: server x client x

"D:\Old Desktop\college\term 8\Networks\Networks-main\Networks-main\venv\Scrip
line 1: GET hypertext/WWW/TheProject.html info.cern.ch
line 2: POST ahmed.txt 127.0.0.1
line 3: GET ahmed.txt 127.0.0.1 80
line 4: GET ahmed.txt 127.0.0.1 80
line 5: GET index.html 127.0.0.1
line 6: GET pic1.png 127.0.0.1
line 7: GET ahmed.txt 127.0.0.1 80
Sent
```

The responses:

```
Received from the server : HTTP/1.0 200 Ok
Server: Our server

Sent
This is Saved at the server
Received from the server : HTTP/1.1 200 OK
Server:Our server

This is Saved at the server
the file was found before: GET /ahmed.txt HTTP/1.0
Host : 127.0.0.1 80
was found
This is Saved at the server

This is Saved at the server

This is Saved at the server
```

Received from the server : HTTP/1.0 200 Ok Server: Our server

the file was found before: GET /ahmed.txt HTTP/1.0

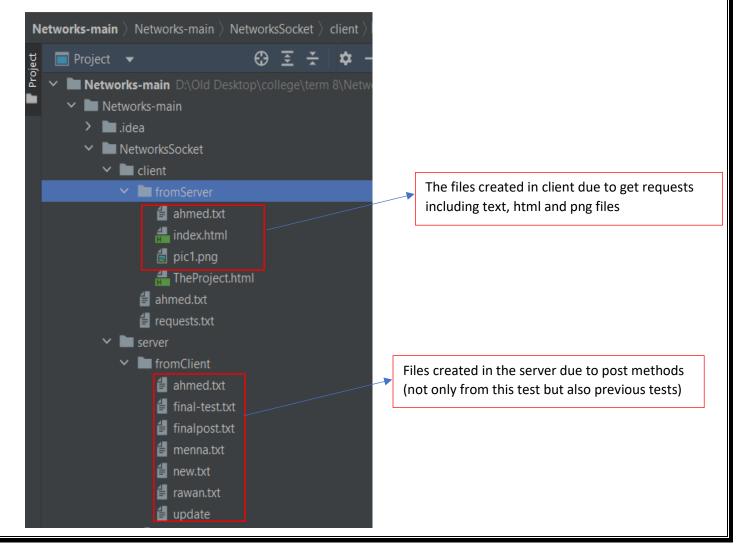
Host: 127.0.0.1 80

was found

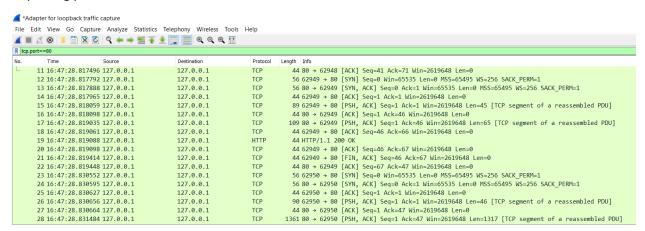
This is Saved at the server

This is Saved at the server

This is Saved at the server



Capturing packets from wireshark:



Note!

There exists HTTP protocol although the protocol in the server is TCP while the form of the HTTP request is well known so the wireshark defines it as an HTTP protocol