

CS358 2023 Assignment 1 - Export PCAP

Mayank Agarwal

Python 3.10.6 Install Instruction <https://pastebin.com/7yWiMH6m>

Deadline: 21 March, 2023. 23:59. All of your git repos shall be pulled after that. That will be the version which will be checked.

Warning: Sharing is Caring is good for cat videos. Sharing of program may lead to plagiarism and would effect in 0 to both.

Doubts: All Doubts relating to CS358 2023 Assignment shall be posted on Google Form

https://docs.google.com/forms/d/e/1FAIpQLSdVylWbeelAnQKYDCfqoyxcqSwm_FiVJDbzszV2Mpg-zZCfUviewform?usp=sf_link

I will respond to the queries here:

<https://docs.google.com/spreadsheets/d/1jHhkLLGrRSToYZH857D6hM3SY8Bi0LoTtqDZ-rNrvGw/edit?usp=sharing>

Please avoid email / wa / dm

So common doubts can be solved and we shall be able to keep track in an organized manner.

Pull This Git Repo - https://github.com/cs358/308_CS359 and copy the tut01 to your repo folder.

Git Requirements: At least 3 git commits should be there with meaningful comments (at least 4 words)

Library Requirements: You can use any library as you wish.

Task: Lab 1 Every roll has a website associated given in the following sheet. Use Wireshark to observe the packets and export it.

<https://docs.google.com/spreadsheets/d/1E01pIEfwAMmKHxOdHMyTXEj1Bm4kAUC8c9wqJ8i2NUk/edit#gid=0>

Task 1) TCP 3 way handshake for initiation for the website associated with your roll

Task 2) TCP closing handshake for initiation for the website associated with your roll

Task 3) DNS request response for the website associated with your roll

Save the pcap in the output folder. The output folder should have only the required number of packets. Like Task 1) the output PCAP should have exactly 3 packets., and so on.

Output File:

TCP_3_way_handshake_start_Roll_Num.pcap

TCP_handshake_close_Roll_Num.pcap

DNS_request_response_Roll_Num.pcap