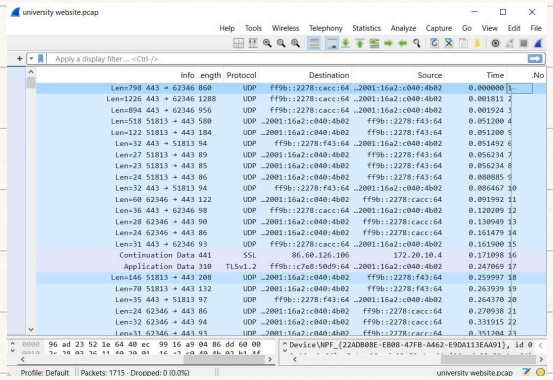
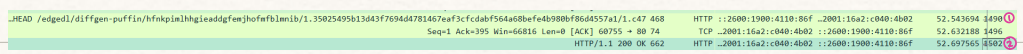
Part 1: Capturing HTTP Traffic

task 1:



task 2:

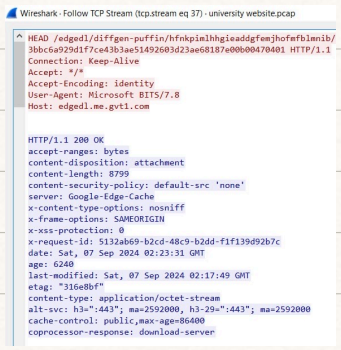


① : http request, HEAD method and URL Path

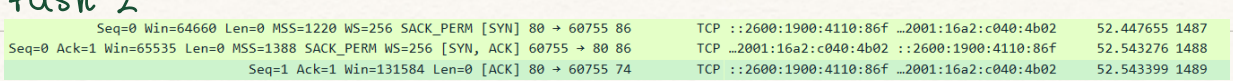
② : http response, status code 200 OK

Part 2: Analyzing TCP/IP Traffic

task 1:



task 2:



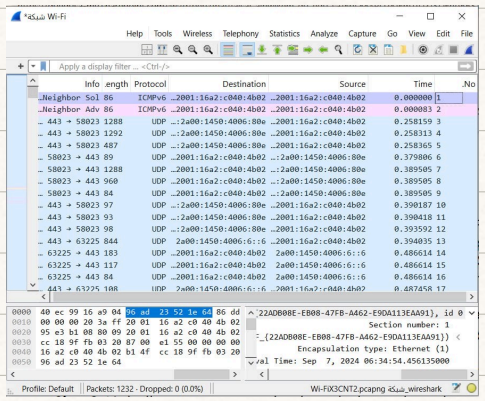
SYN : Seq → 0 Ack → No information

SYN-ACK : Seq → 0 Ack → 1

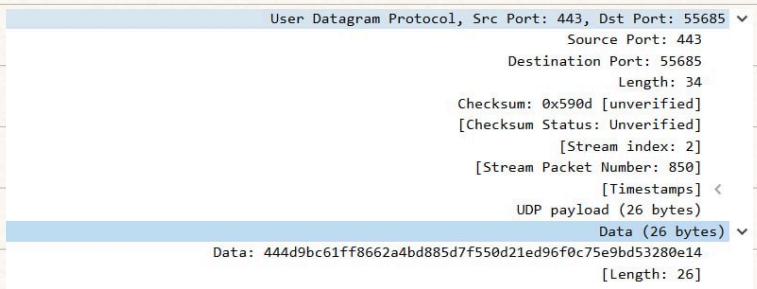
Ack : Seq → 1 Ack → 1

Part 3 : Capturing and analyzing UDP traffic

task 1 :



task 2 :



Part 4 : Comparing TCP & UDP

	TCP or UDP	Reasons
Reliability and Connection Establishment	TCP	TCP ensures that data is deliverd accurately and in order, also it uses three way hand-Shake Process
Data Integrity and Ordering	TCP	Provide error recovery and in-Sequence delivery

	TCP	UDP
Use cases	• web browsing • deliver Email accurately • file transfer	• Streaming media • Online gaming
Performance	• high reliability • correct order • error checking and recovery	• low latency • out of order • Fast