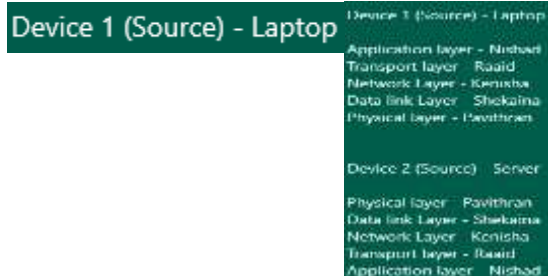


Computer networks and communication

1.2P

Evidence of Learning

These are the evidence that for the team work for activity one



Nishad

Application Layer – Nishad

Hi my name is Nishad and I am the Application Layer
 As the application layer, I interact with the user and provide network services to applications.
 The protocol I follow is HTTP
 I have received the message "Hello" from the user and I'm passing this to the transport layer using HTTP

Transport Layer – Raaid

Hi my name is Raaid and I am the Transport Layer.
 As the Transport layer I ensure reliable data transfer, flow control, and error checking.
 The two main protocols I follow is TCP and UDP.
 I break down data to Segments.
 I Received "Hello" from the application layer. Adding TCP headers thus beginning data encapsulation I pass it to the network layer.

Kenisha CICRA

Network Layer – Kenisha

Hi my name is Kenisha and I am the Network Layer.
 My role is to determine the best path to route the data.
 I add IP headers and determine the destination IP address. My job is to route packets throughout the network.
 I have received "hello" with TCP headers. I shall now Add IP headers and rout to the data link layer.

Shekaina CICRA

Data Link Layer – Shekaina

Hi I'm Shekaina and I manage node-to-node data transfer and handle errors.
 Responsibilities:
 - Add MAC addresses.
 - Frame the data.
 - Manage access to the physical medium.
 Received "Hello" with IP headers. Adding MAC addresses, framing the data, and passing to the physical layer.

Device 2 (Destination) – Server

Pavithran AIR

Physical Layer – Pavithran

Hey my name is Pavithran and I am the physical layer.
 I handle the actual transmission of data over the physical medium.
 I am responsible in converting framed data into signals.
 And Transmitting signals over the network medium.
 I have received the framed data from the Data Link layer and I converting them into bits and transmitting to Device 2.

Data Link Layer – Shekaina

Hey my name is Shekaina and I am the Data Link layer.
 I received the framed data from the physical layer and I am removing MAC addresses and passing to the network layer

Pavithran AIR

Physical Layer – Pavithran

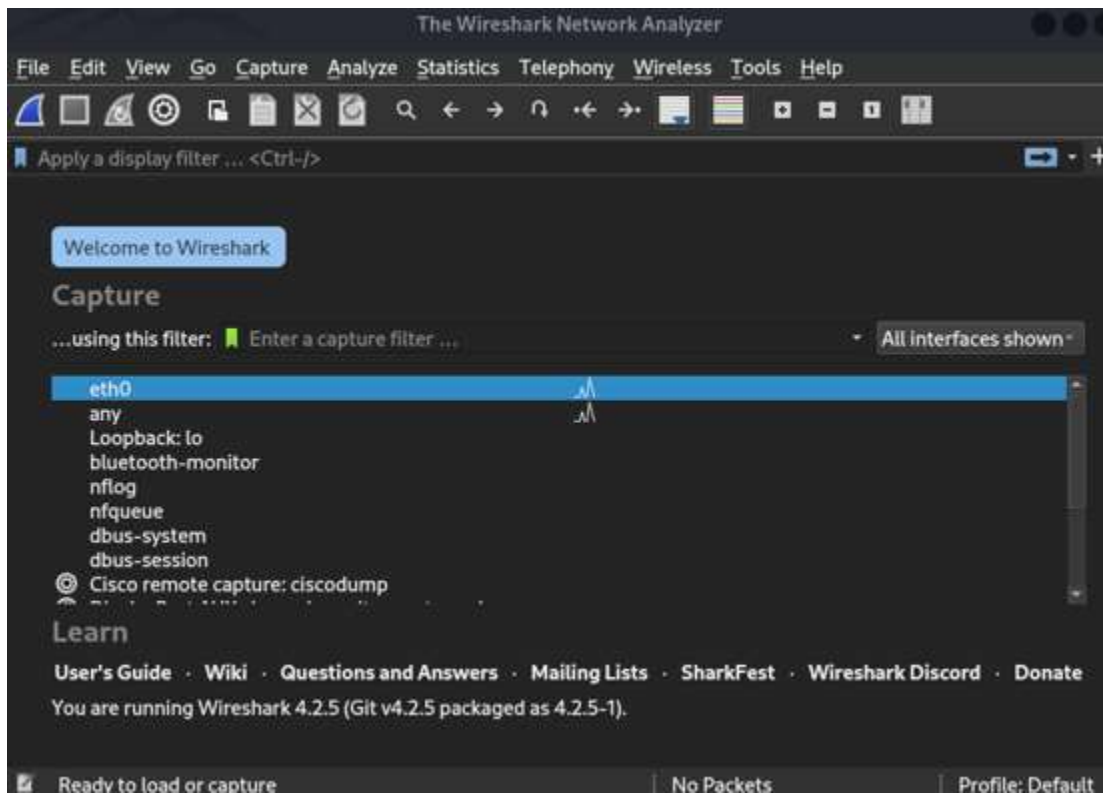
Hey my name is Pavithran and I am the physical layer.
 I Received signals from Device 1 and I am converting back to framed data and passing to the data link layer.

Kenisha CICRA

Network Layer – Kenisha

Hi my name is Kenisha and I am the Network layer.
 I have Received packets, Removing IP headers and passing segments to the transport layer.

These are the evidence for activity 3



No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
2	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
3	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
4	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
5	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
6	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
7	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
8	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
9	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
10	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
11	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
12	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
13	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
14	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
15	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
16	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
17	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
18	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
19	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
20	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
21	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
22	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
23	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
24	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
25	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
26	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
27	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
28	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
29	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
30	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
31	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
32	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
33	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
34	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
35	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
36	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
37	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
38	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
39	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
40	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
41	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
42	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
43	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
44	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
45	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
46	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
47	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
48	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply
49	0.000000	192.168.1.100	192.168.1.1	ICMP	60	Echo (ping) request
50	0.000000	192.168.1.1	192.168.1.100	ICMP	60	Echo (ping) reply