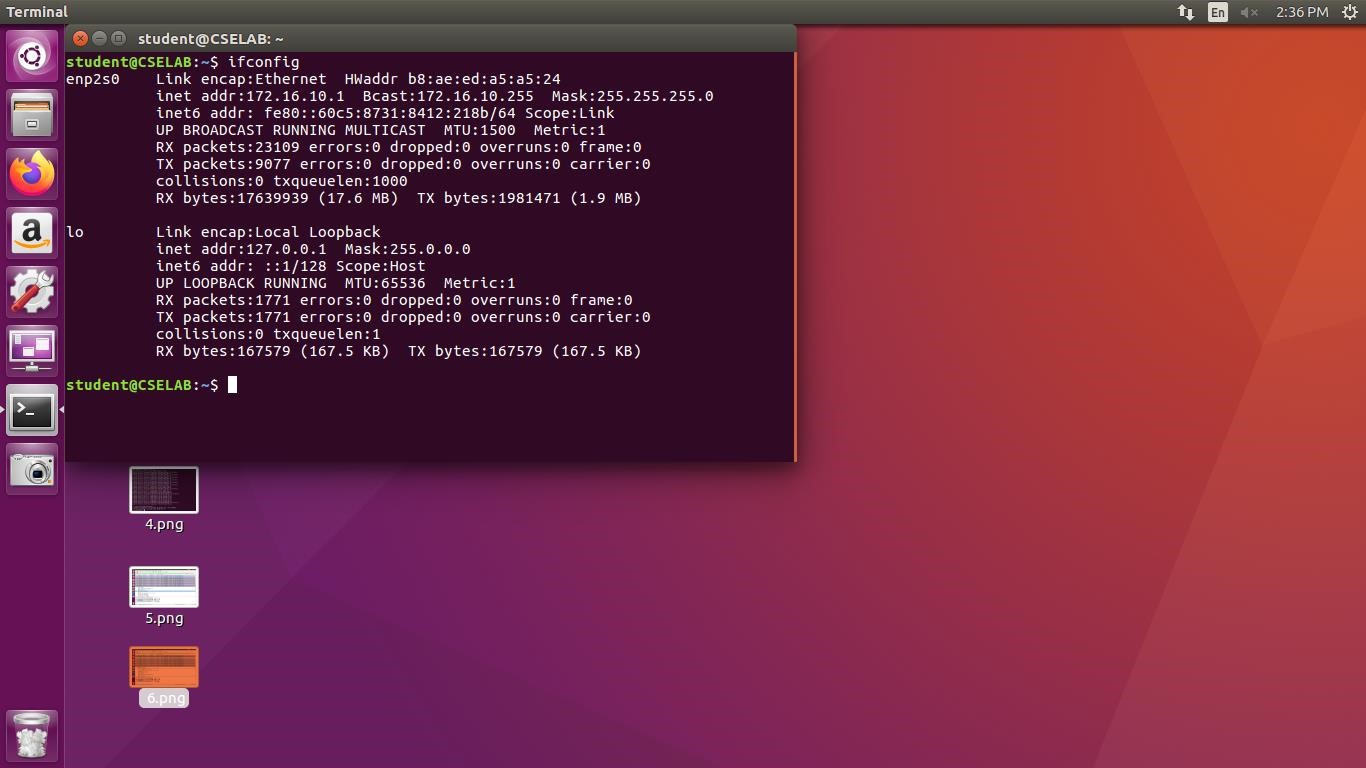
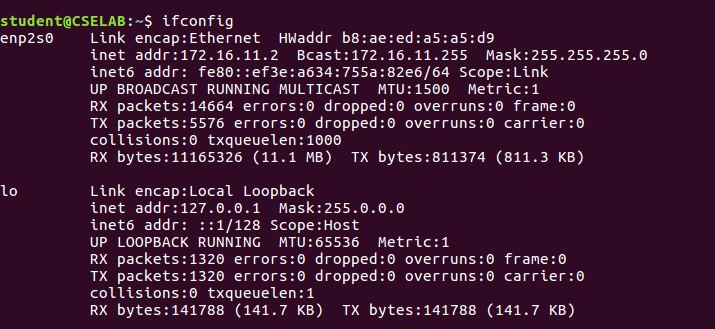
**Computer networks laboratory week 8**

**Name: Pranav R. Hegde SRN: PES1UG19CS343 Section: F1**

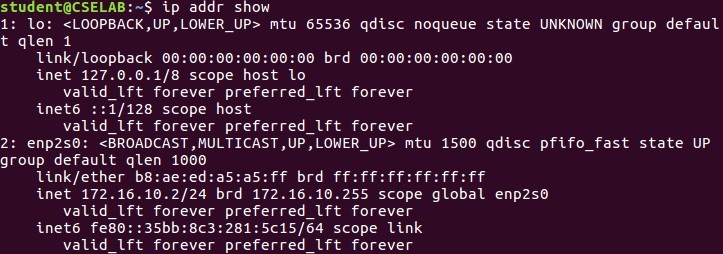
**STEP 1:** Assigning IP Addresses to each computer At Ha:



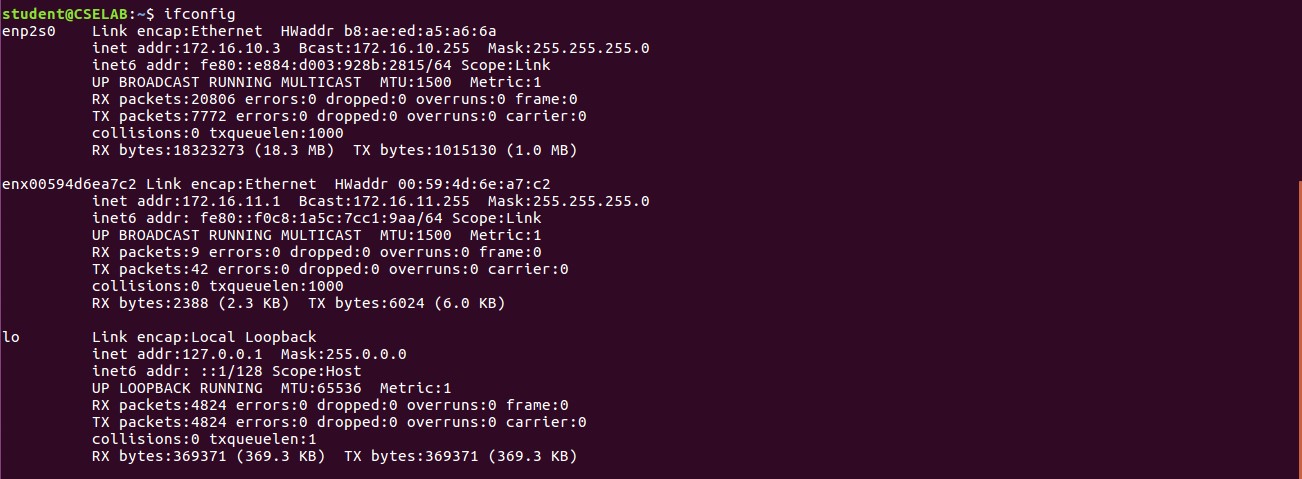
At Hb:



At R1:

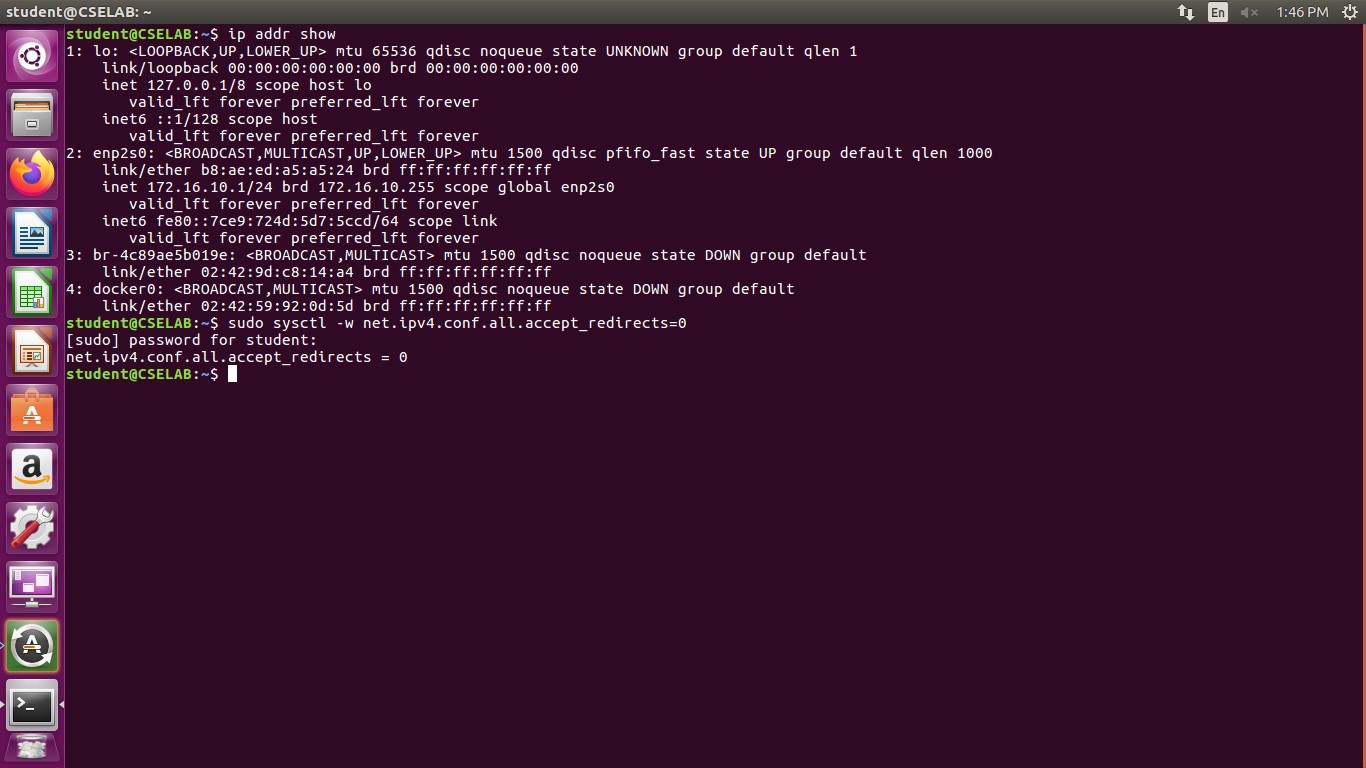


At R2:

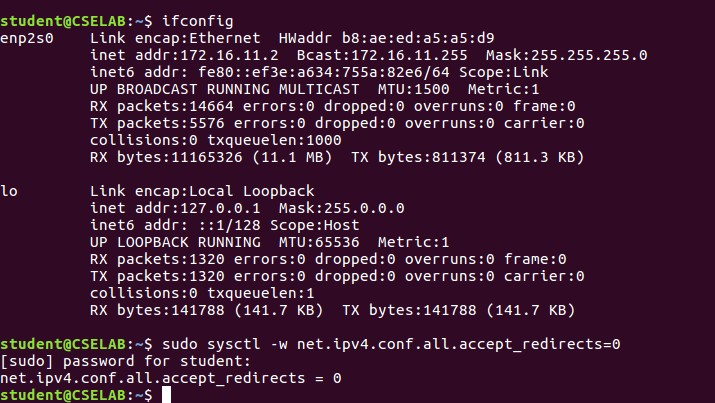


Disabling accepting the ICMP redirect packets

At Ha:

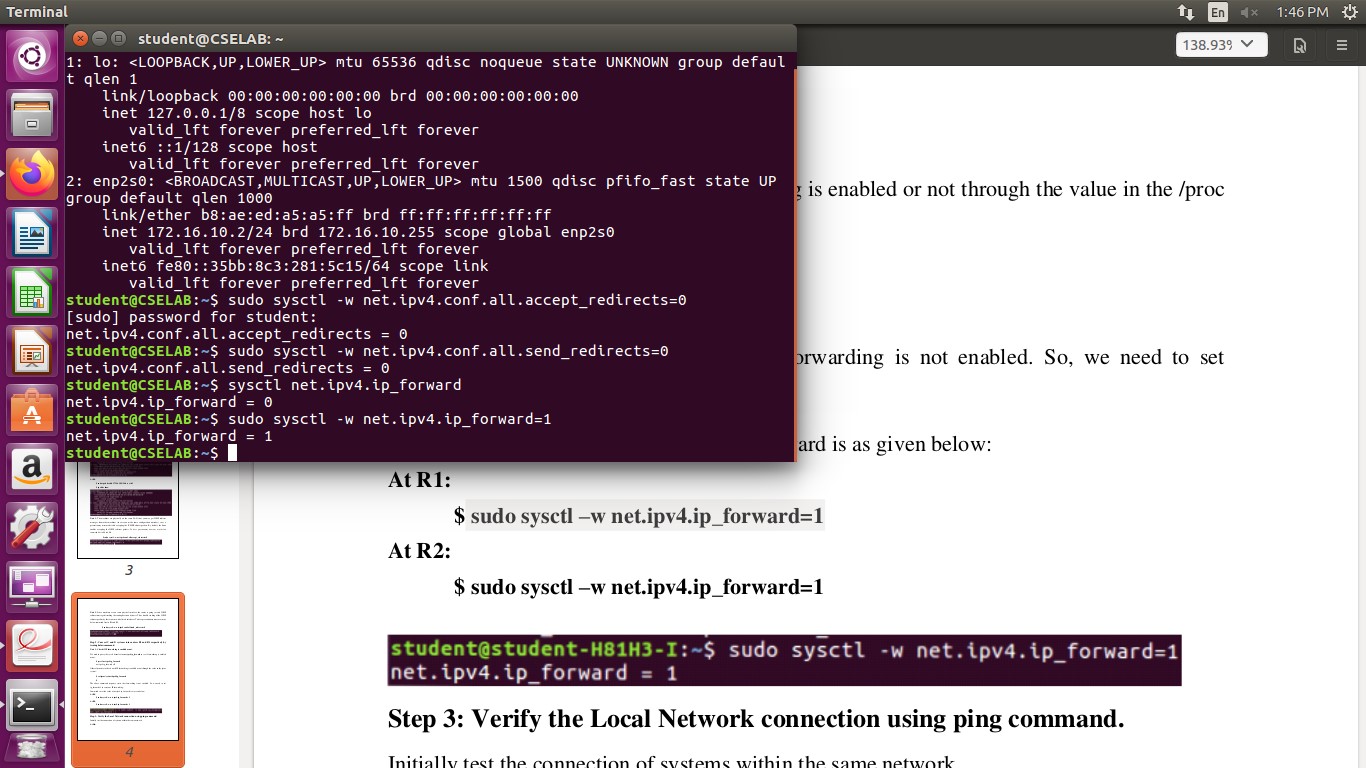


At Hb:

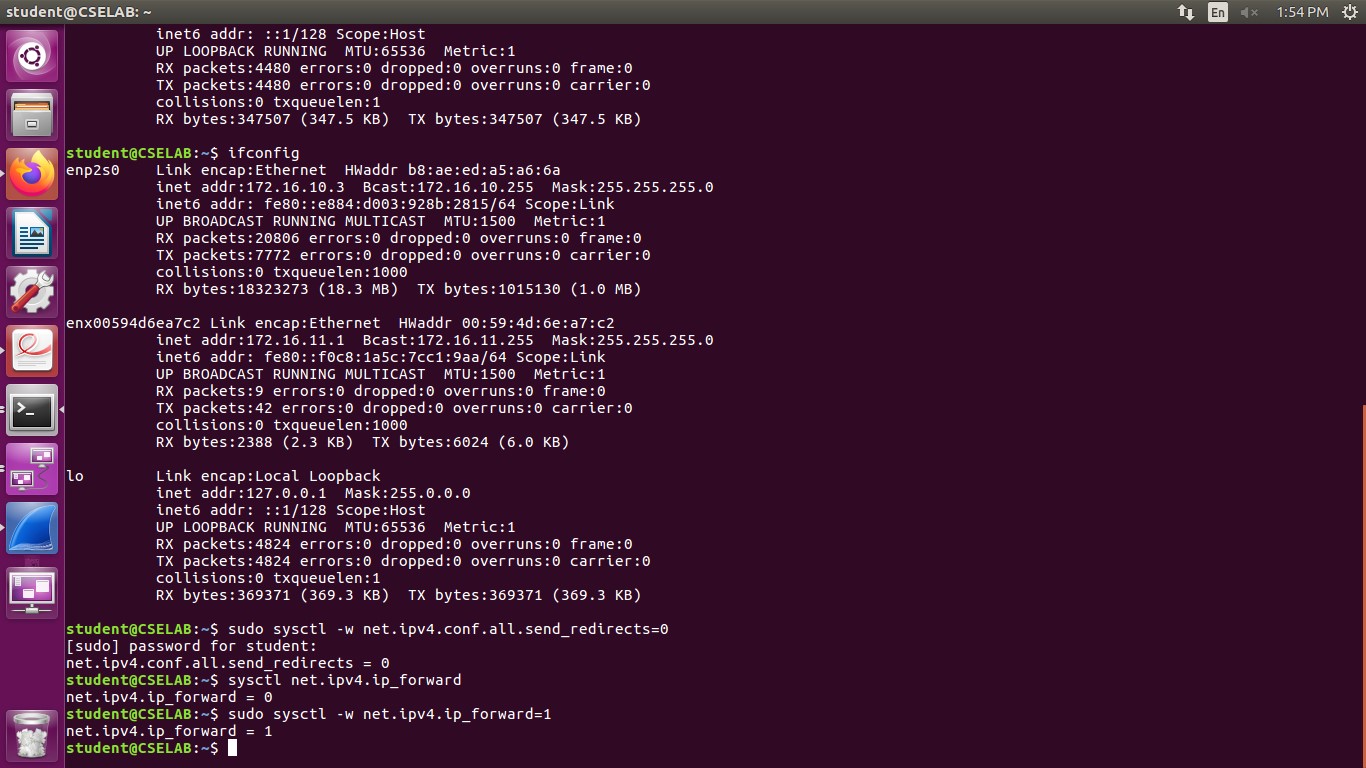


**STEP 2:** Converting two systems into routers R1 and R2

At R1:

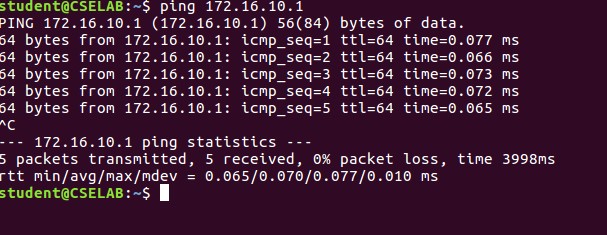


At R2:

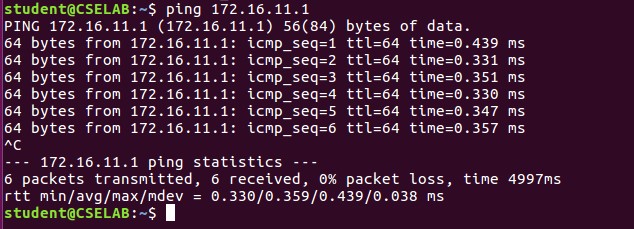


**STEP 3:** Verifying the local network using ping command

At Ha:

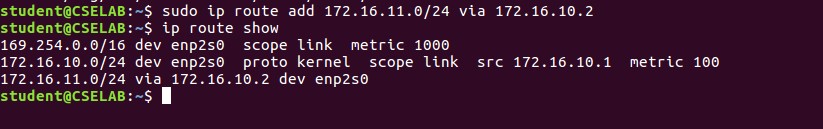


At Hb:

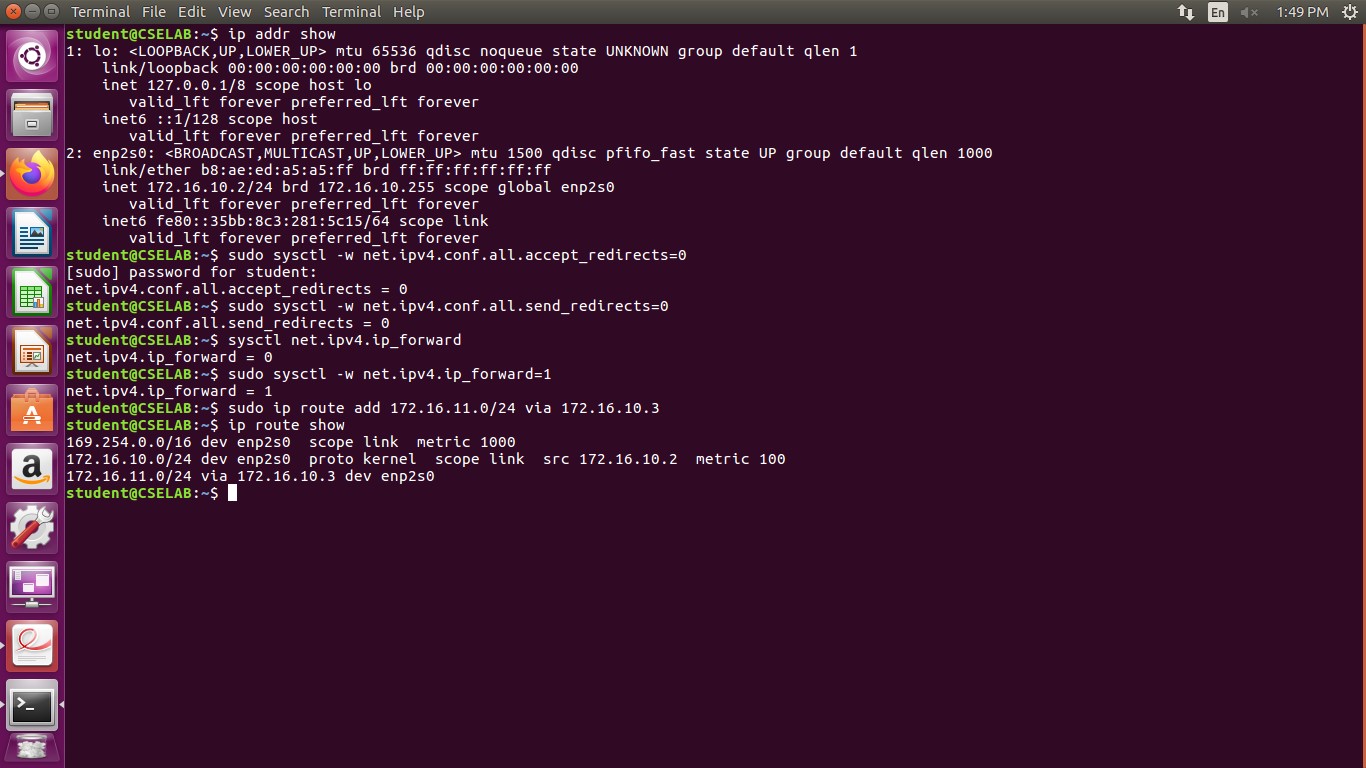


**STEP 4:** Inserting routing table entries to direct ipv4 packets

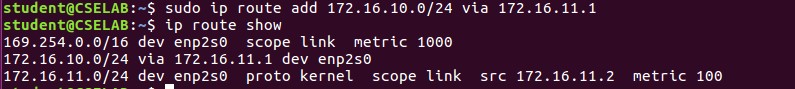
At Ha:



At R1:

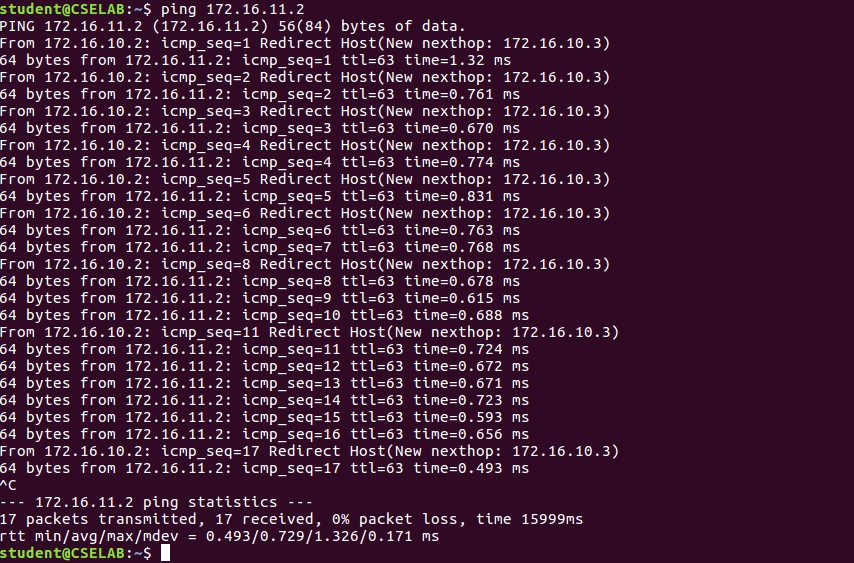


At Hb:

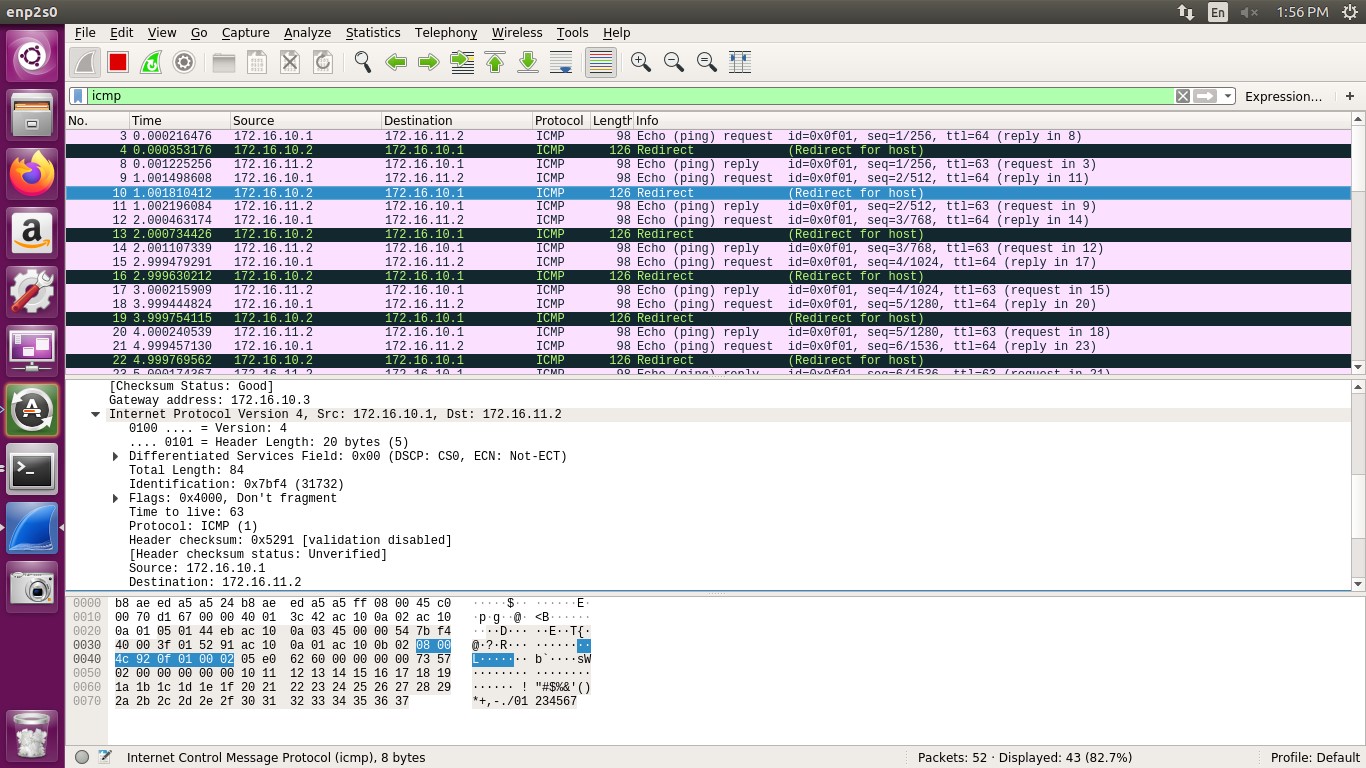


**STEP 5:** Capturing packets on Wireshark

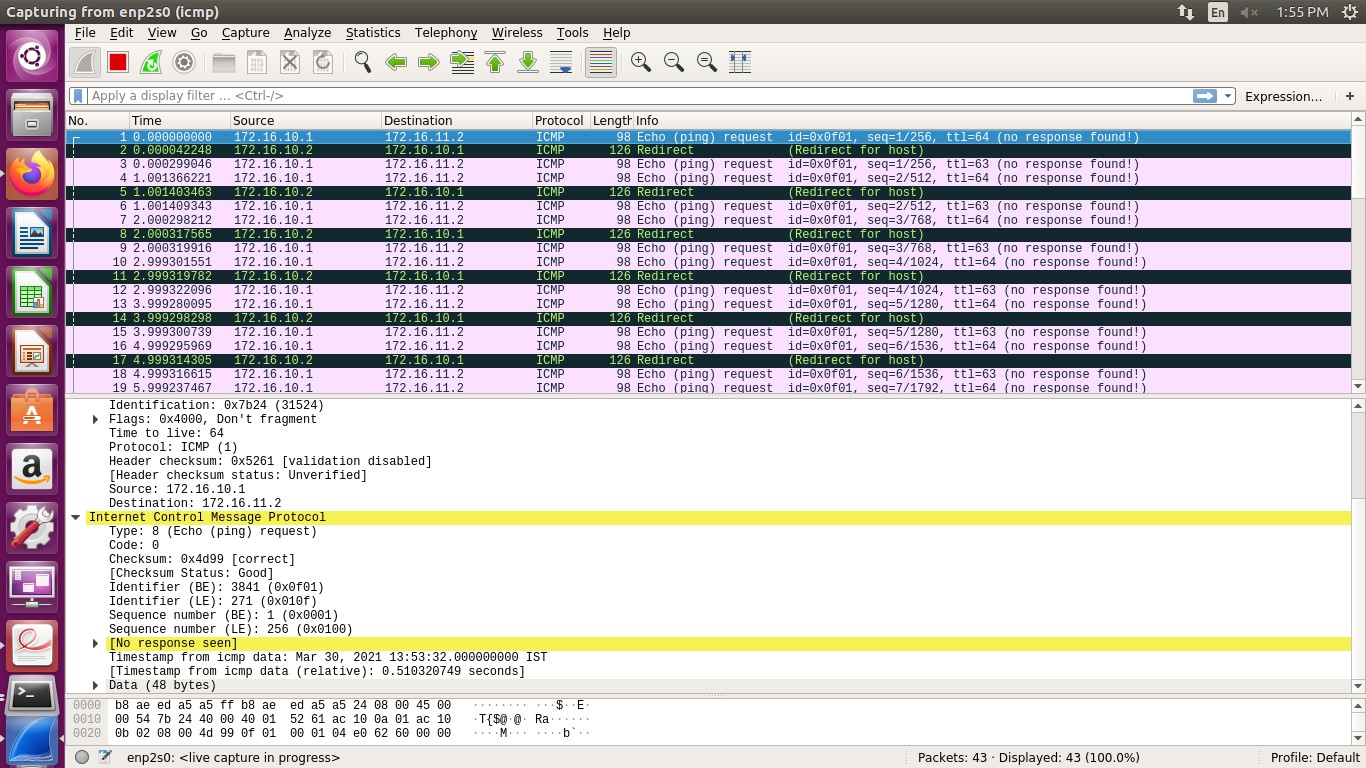
Pinging Hb from Ha:



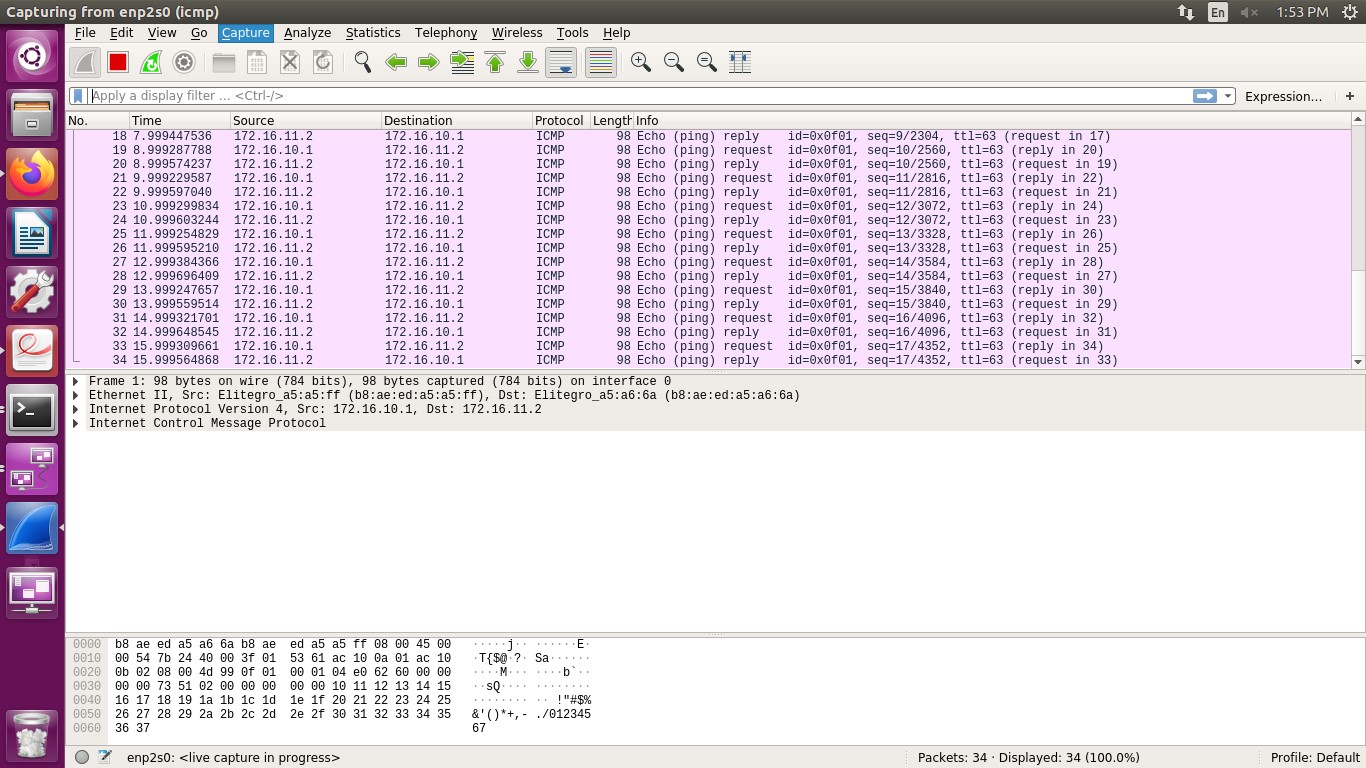
Capturing packets at Ha:



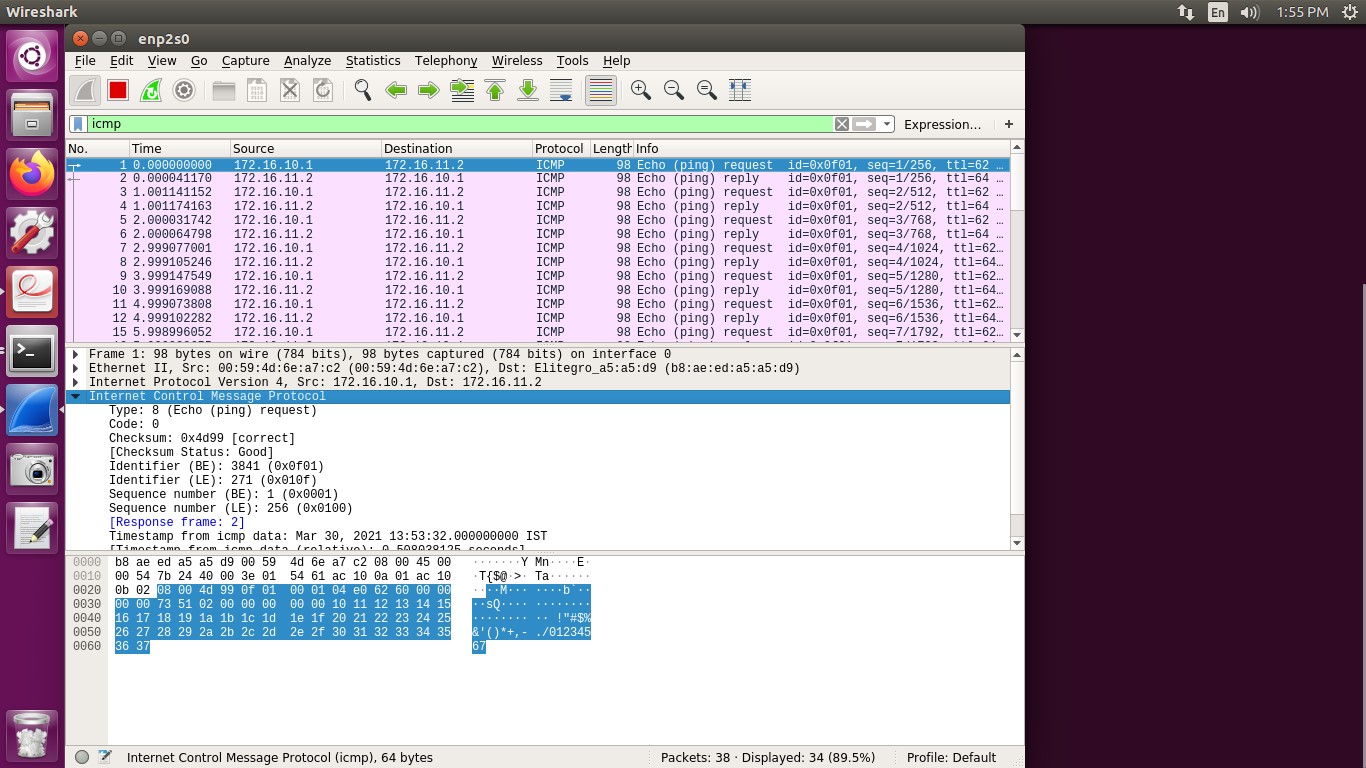
Capturing packets at R1:



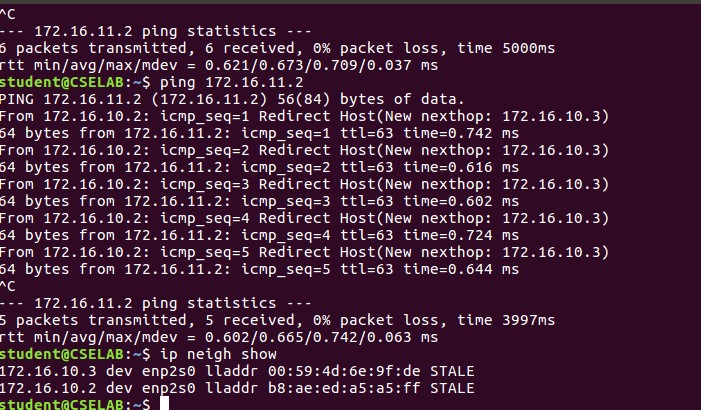
Capturing packets at R2:



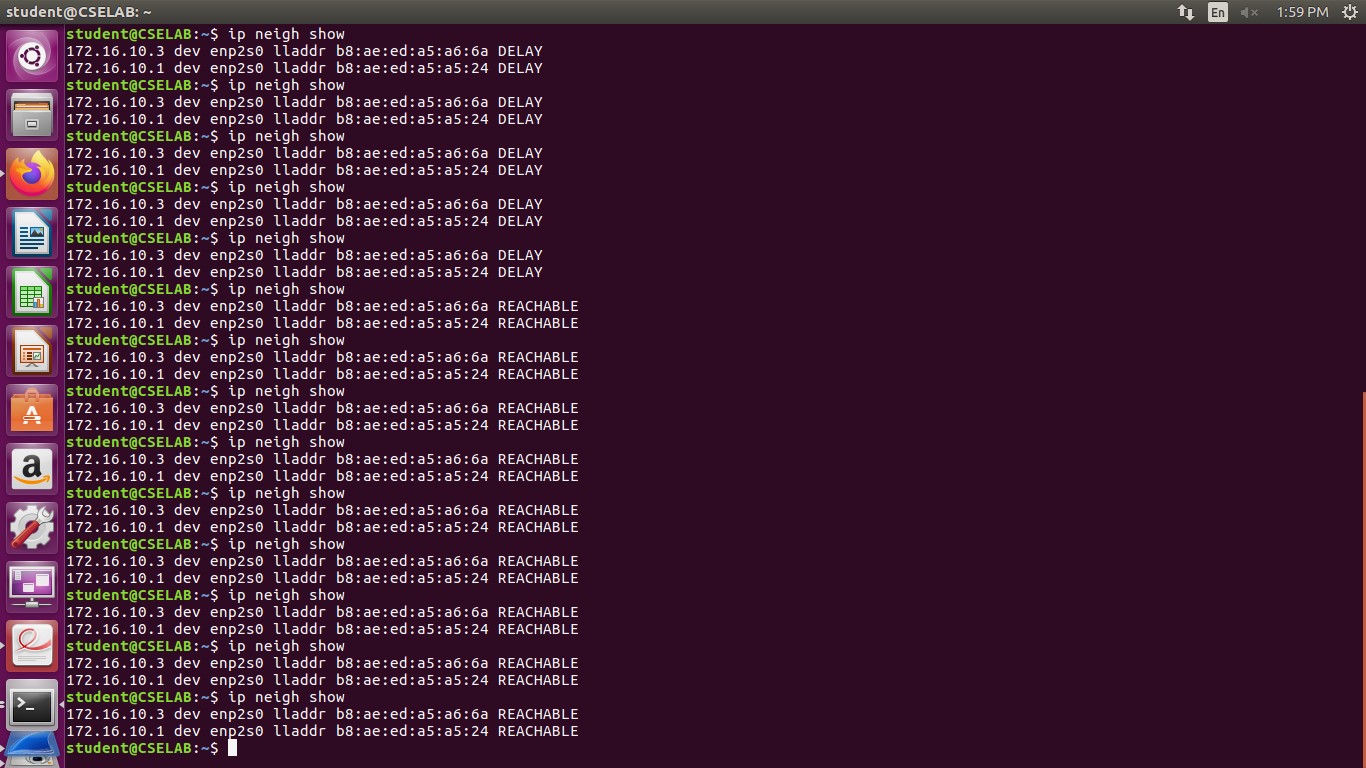
Capturing packets at Hb:



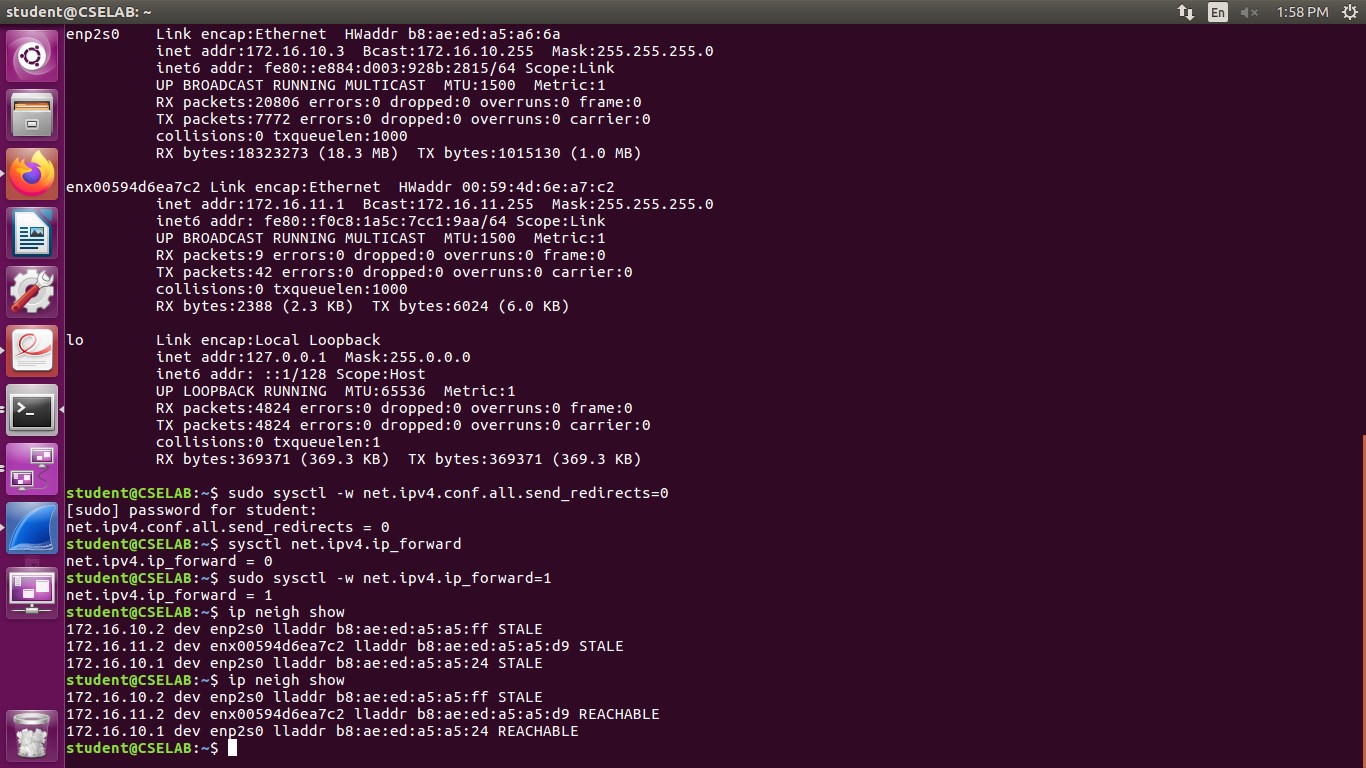
**STEP 6:** Checking each system neighbours to verify the connection At Ha:



At R1:

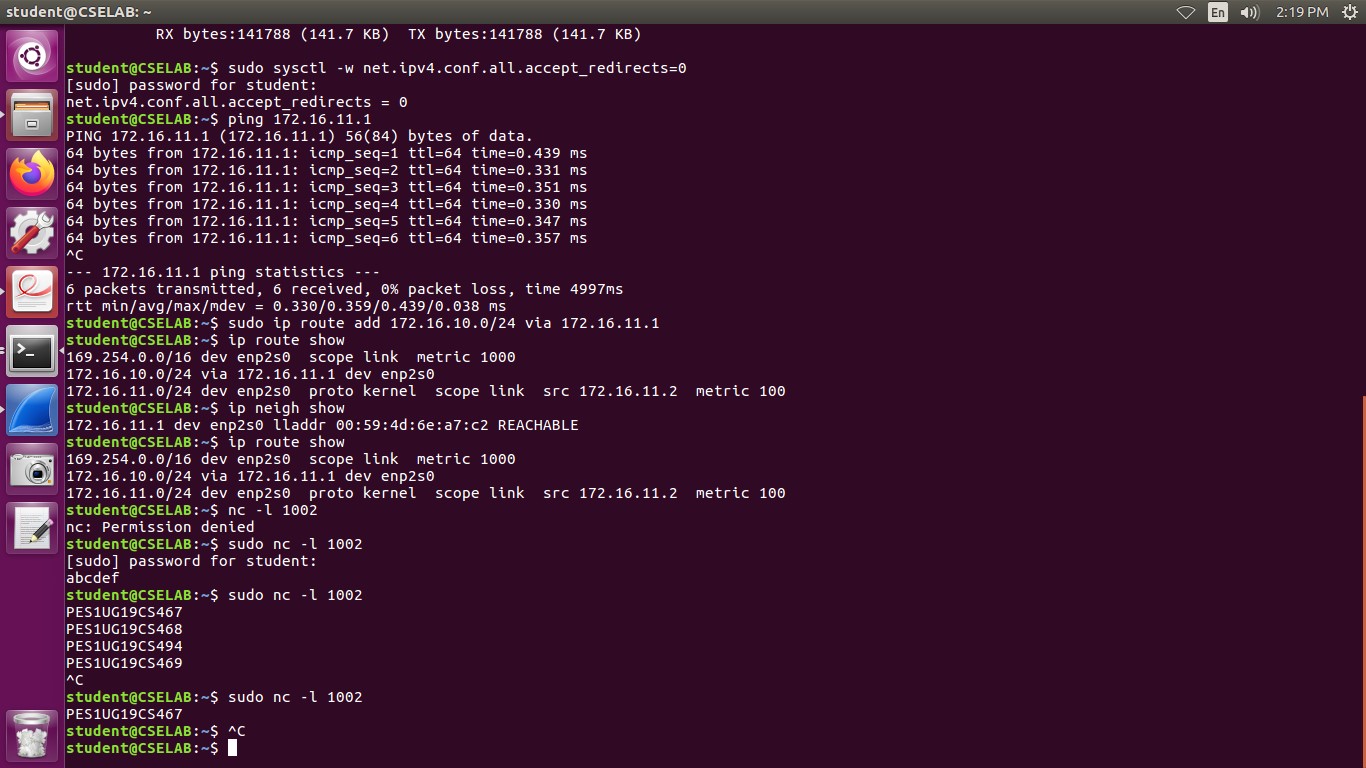


At R2:



Sending data from Hb to Ha using nc command

At Hb:



At Ha:

