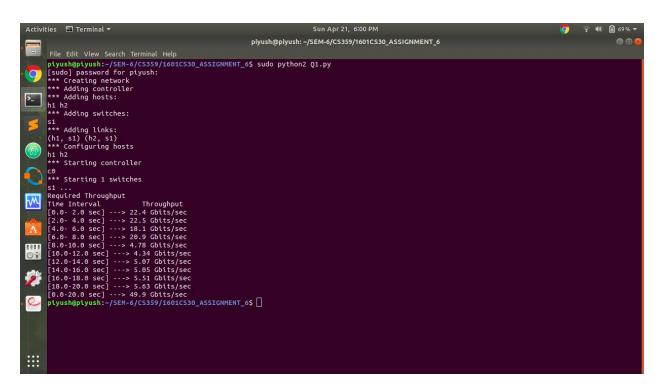
Assignment-6

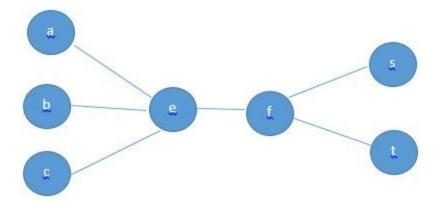
Piyush Singh (1601CS30)

1

Using Mininet to create a topology which comprises of two hosts (h1, h2) connected to a single switch. The pair of hosts will transfer TCP packets among each other using sockets. The server host (h1) will have port number 5111 and monitor the results every 2 seconds (obtain the statistics after every 2 seconds). The client host (h2) will send packets for 20 seconds. The output is as follows:



We created a network topology that comprises of 5 hosts namely, a, b, c, s and t, and two switches namely e and f and the links between them with setting the network with bandwidth between the hosts and the switch is 5Mbps with transmission delay of 3ms and 2% packet drop. The queue in the switch can accommodate a maximum of 300 packets. and the bandwidth between the switches is 15Mbps and has a transmission delay of 2ms.



In Output, we can see that connectivity of host and server as we saw in the figure of topology Packet from any of the host is reachable to every other host. So 0% of packets will be dropped.

