

CN LAB WEEK-7

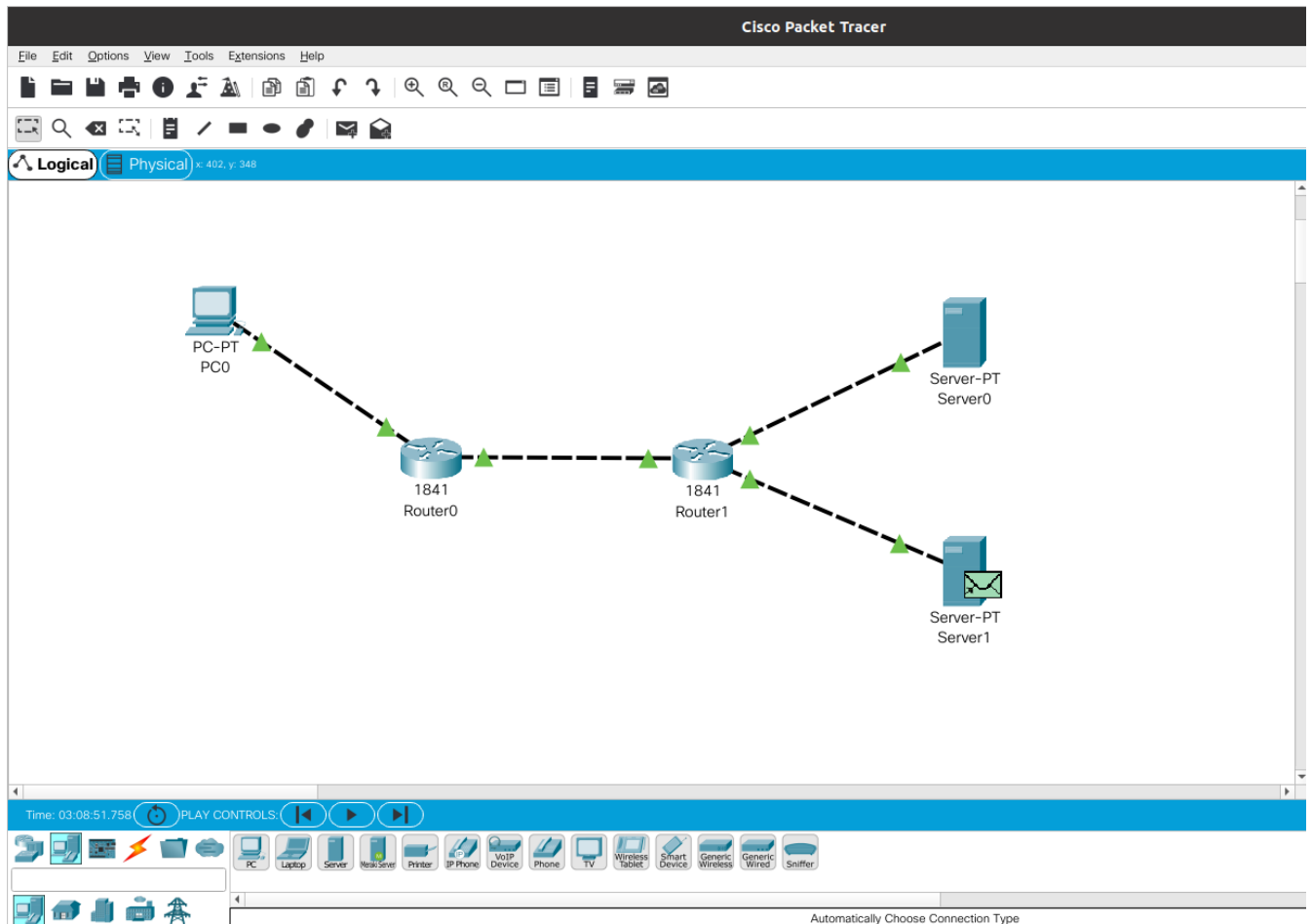
NAME: T.LOHITH SRINIVAS

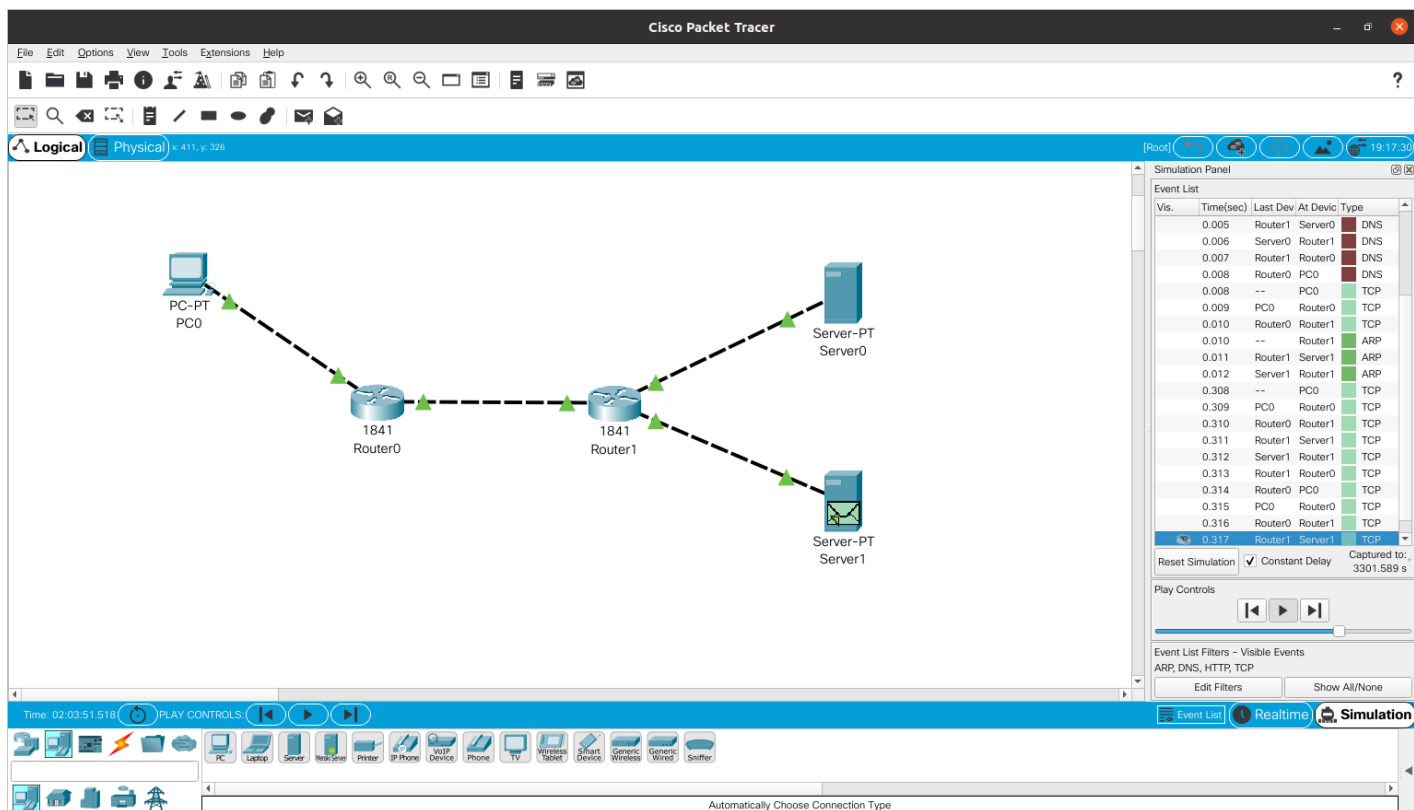
SRN: PES2UG19CS203

SECTION: D

Task 1: Using Cisco packet tracer understand the life of packet in internet.

Configuring Topology:





Network Configuration and Routing Tables Entries

End Systems:

End System	Interface Name	IP Address	Subnet Mask	Gateway	DNS Server
PC0	FastEthernet0	10.10.1.1	255.255.255.0	10.0.0.3	192.168.1.2
Server0-DNS	FastEthernet0	192.168.1.2	255.255.255.0	192.168.1.1	
Server1-Web	FastEthernet0	192.168.2.2	255.255.255.0	192.168.2.1	

Routers:

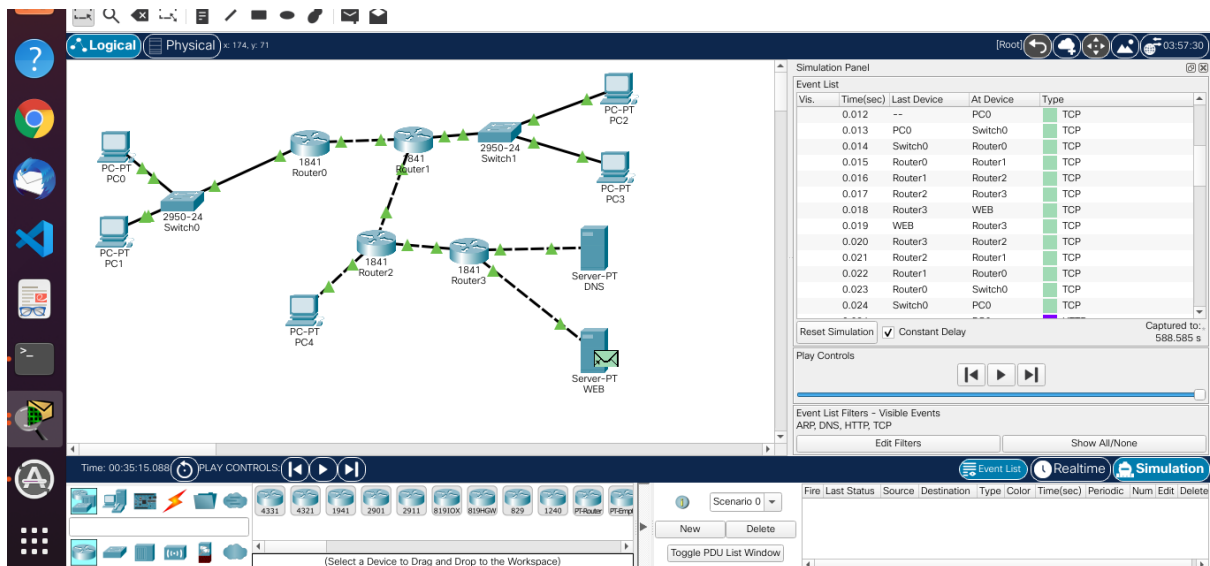
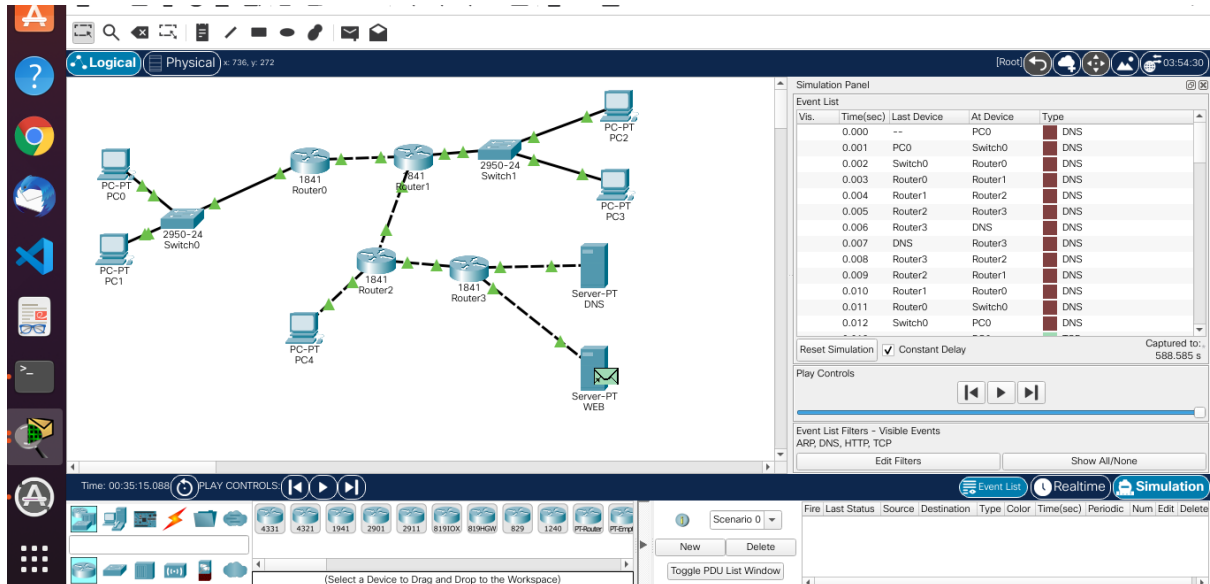
Router	Interface Name	IP Address	Subnet Mask
Router0	FastEthernet0/0	10.10.1.2	255.255.255.0
Router0	FastEthernet0/1	10.10.2.1	255.255.255.0
Router1	FastEthernet0/0	10.10.2.2	255.255.255.0
Router1	FastEthernet0/1	192.168.1.1	255.255.255.0
Router1	Ethernet0/0/0	192.168.2.1	255.255.255.0

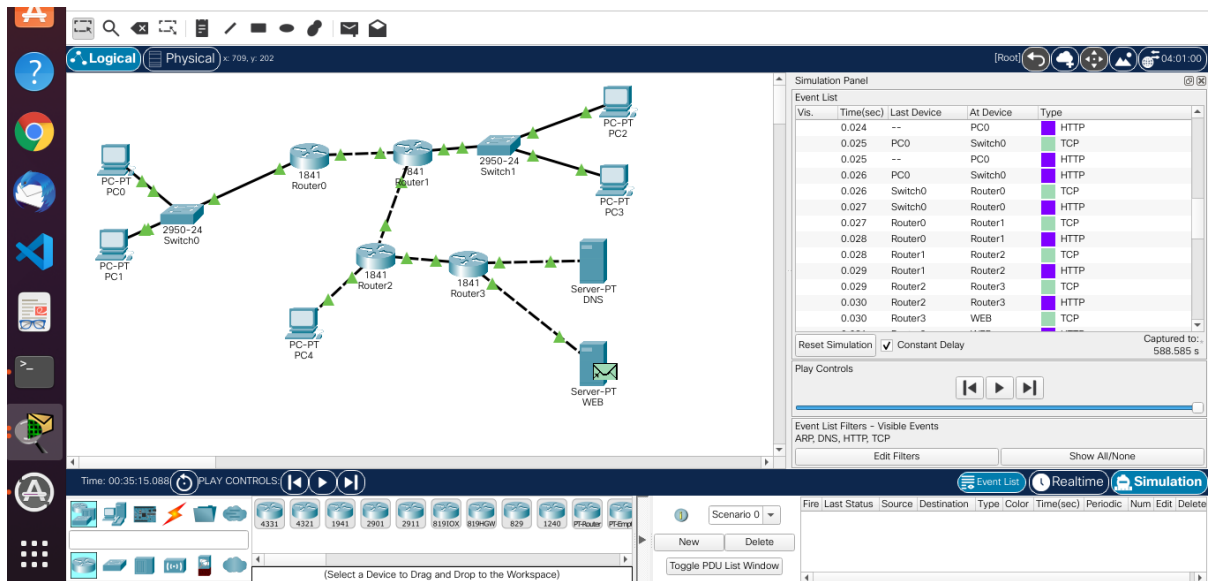
Routing Table:

Router	Destination Network	Next Hop
Router0	192.168.1.0	10.10.2.2
Router0	192.168.2.0	10.10.2.2
Router1	10.10.1.0	10.10.2.1

TASK-2

Configuring Topology:





Network Configuration and Routing Tables Entries

End Systems

End System	IP Address	Subnet Mask	Gateway
PC0	1.1.1.2	255.0.0.0	1.1.1.1
PC1	1.1.1.3	255.0.0.0	1.1.1.1
PC4	6.6.6.2	255.0.0.0	6.6.6.1
PC2	2.2.2.2	255.0.0.0	2.2.2.1
PC3	2.2.2.3	255.0.0.0	2.2.2.1

Routers

Router	Interface Name	IP Address
Router0	FastEthernet0/0	1.1.1.1
Router0	FastEthernet0/1	3.3.3.1
Router1	FastEthernet0/0	3.3.3.2
Router1	FastEthernet0/1	5.5.5.2
Router1	Ethernet0/0/0	2.2.2.1
Router2	FastEthernet0/0	5.5.5.1
Router2	FastEthernet0/1	6.6.6.1
Router3	FastEthernet0/0	4.4.4.2
Router3	FastEthernet0/1	192.168.1.1
Router3	Ethernet0/0/0	192.168.2.1

Routing Table

Router	Destination Network	Next Hop
Router0	2.2.2.0	3.3.3.2
Router0	5.5.5.0	3.3.3.2
Router0	6.6.6.0	3.3.3.2
Router0	4.4.4.0	3.3.3.2
Router0	192.168.1.0	3.3.3.2
Router0	192.168.2.0	3.3.3.2
Router1	1.1.1.0	3.3.3.1
Router1	6.6.6.0	5.5.5.1
Router1	4.4.4.0	5.5.5.1
Router1	192.168.1.0	5.5.5.1
Router1	.168.1920	52.5.5.1
Router2	3.3.3.0	5.5.5.2
Router2	1.1.1.0	5.5.5.2
Router2	2.2.2.0	5.5.5.2
Router2	192.168.1.0	4.4.4.2
Router2	192.168.2.0	4.4.4.2
Router3	1.1.1.0	4.4.4.1
Router3	2.2.2.0	4.4.4.1
Router3	3.3.3.0	4.4.4.1
Router3	5.5.5.0	4.4.4.1
Router3	6.6.6.0	4.4.4.1