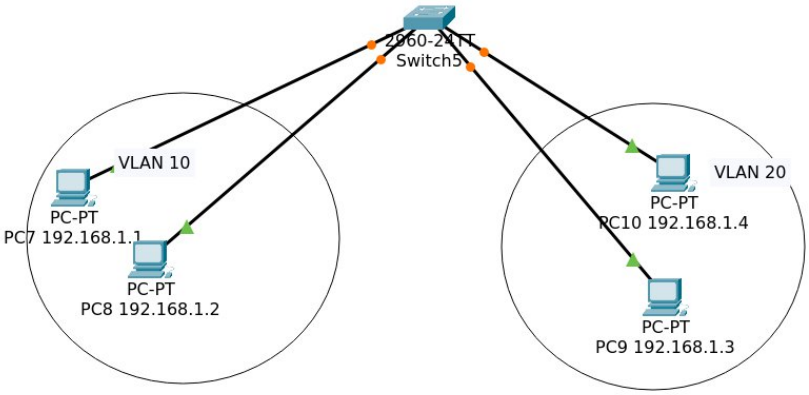
OBSERVATION:




```
Switch(config)#int range fastEthernet 0/1-2
Switch(config-if-range)#sw
Switch(config-if-range)#switchport mod
Switch(config-if-range)#switchport mode ac
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#sw
Switch(config-if-range)#switchport mo
Switch(config-if-range)#switchport ac
Switch(config-if-range)#switchport access v
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#
```

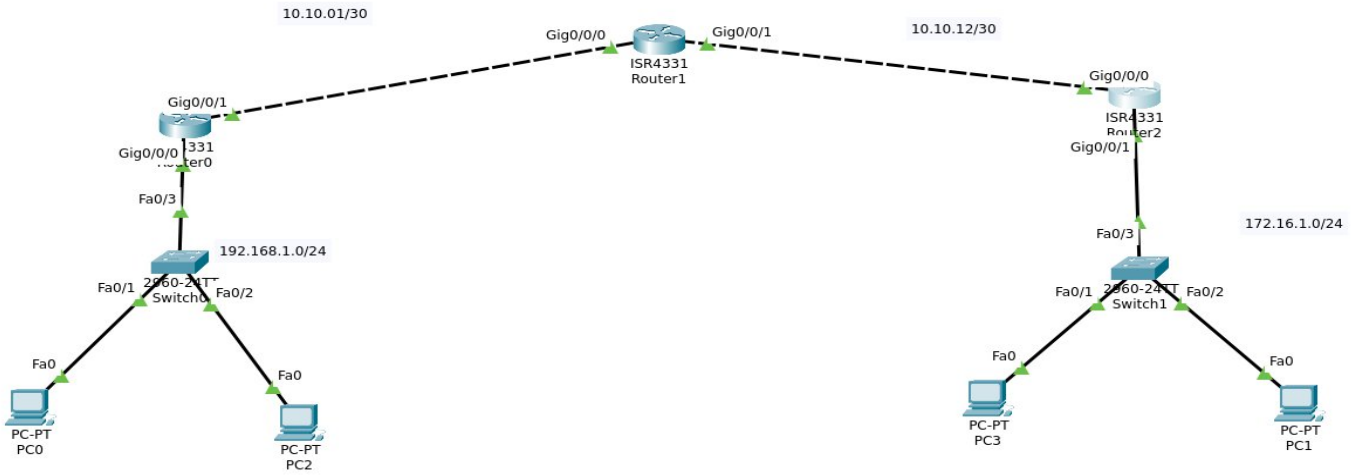
```
interface FastEthernet0/1
 switchport access vlan 10
 switchport mode access
!
interface FastEthernet0/2
 switchport access vlan 10
 switchport mode access
!
interface FastEthernet0/3
 switchport access vlan 20
 switchport mode access
!
interface FastEthernet0/4
 switchport access vlan 20
 switchport mode access
!
```

```
Switch#sh vlan br

VLAN Name                              Status    Ports
---- --------------------------------- --------- -------------------------------
1    default                           active    Fa0/5, Fa0/6, Fa0/7, Fa0/8
                                                 Fa0/9, Fa0/10, Fa0/11, Fa0/12
                                                 Fa0/13, Fa0/14, Fa0/15, Fa0/16
                                                 Fa0/17, Fa0/18, Fa0/19, Fa0/20
                                                 Fa0/21, Fa0/22, Fa0/23, Fa0/24
                                                 Gig0/1, Gig0/2
10   CSIT                              active    Fa0/1, Fa0/2
20   BCA                               active    Fa0/3, Fa0/4
1002 fddi-default                      active
1003 token-ring-default                active
1004 fddinet-default                   active
1005 trnet-default                     active
Switch#
```

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=27ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 27ms, Maximum = 27ms, Average = 27ms

Control-C
^C
C:\>ping 192.168.1.4

Pinging 192.168.1.4 with 32 bytes of data:

Request timed out.

Ping statistics for 192.168.1.4:
    Packets: Sent = 1, Received = 0, Lost = 1 (100% loss),
```

CONCLUSION:

OBSERVATION:



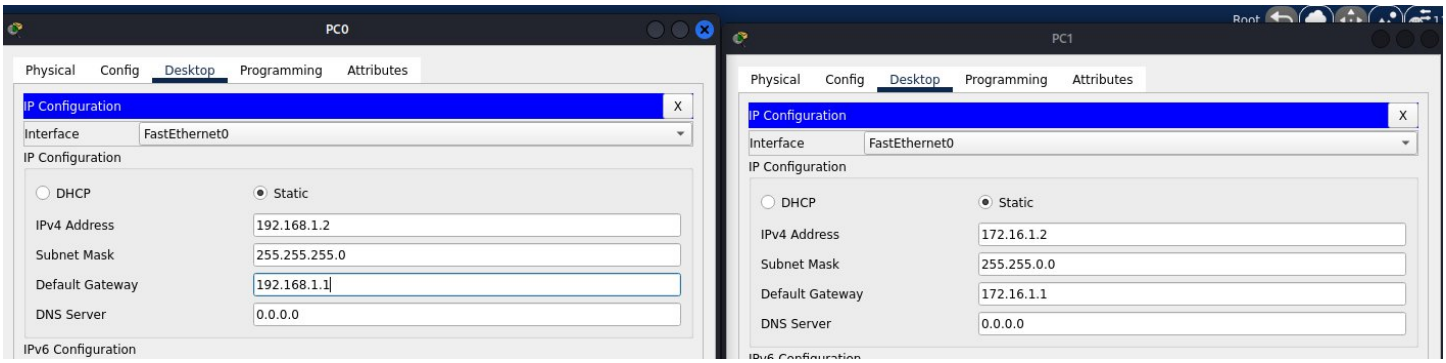

```
sulav_2>en
sulav_2#sh ip int br
Interface              IP-Address      OK? Method Status
Protocol
GigabitEthernet0/0/0   10.10.1.2       YES manual up
up
GigabitEthernet0/0/1   10.10.12.1      YES manual up
up
GigabitEthernet0/0/2   unassigned      YES unset
administratively down down
Vlan1                  unassigned      YES unset
administratively down down
```

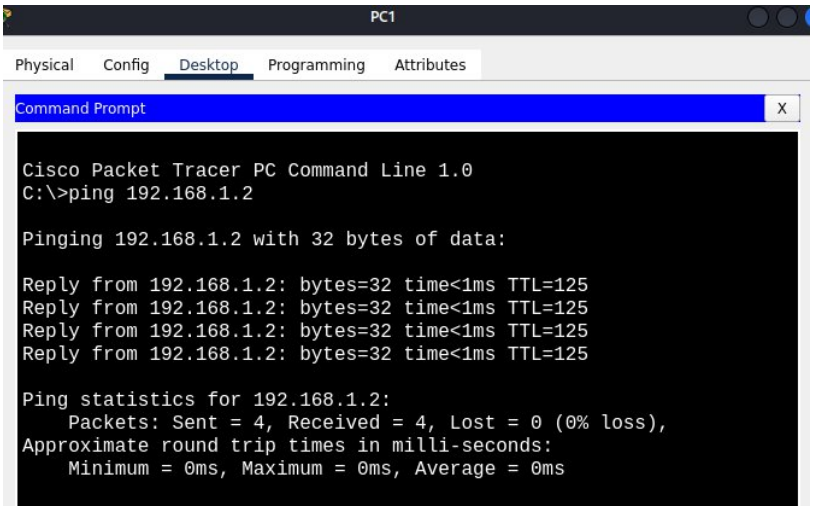
```
sulav_1#sh ip int
sulav_1#sh ip interface br
Interface              IP-Address      OK? Method Status
Protocol
GigabitEthernet0/0/0   192.168.1.1     YES manual up
up
GigabitEthernet0/0/1   10.10.1.1       YES manual up
up
GigabitEthernet0/0/2   unassigned      YES unset
administratively down down
Vlan1                  unassigned      YES unset
administratively down down
sulav_1#
```

```
sulav_1#sh ip route st
sulav_1#sh ip route static
     10.0.0.0/8 is variably subnetted, 3 subnets, 2 masks
S       10.10.12.0/30 [1/0] via 10.10.1.2
     172.16.0.0/24 is subnetted, 1 subnets
S       172.16.1.0 [1/0] via 10.10.1.2
```

```
sulav_3#sh ip route sta
sulav_3#sh ip route static
     10.0.0.0/8 is variably subnetted, 3 subnets, 2 masks
S       10.10.1.0/30 [1/0] via 10.10.12.1
S    192.168.1.0/24 [1/0] via 10.10.12.1
```

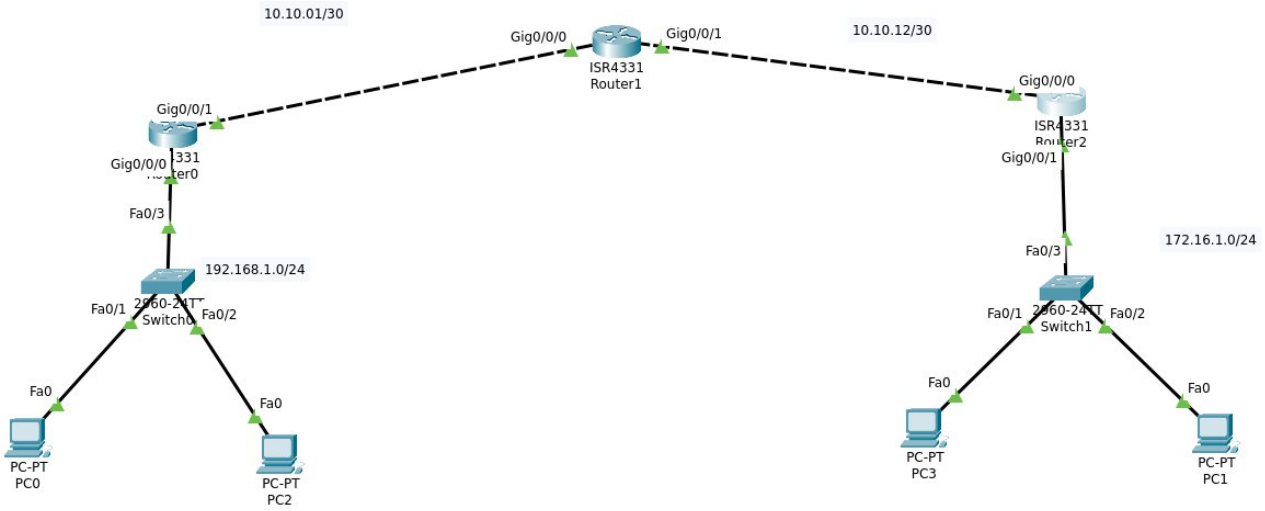
```
sulav_2>en
sulav_2#conf ter
Enter configuration commands, one per line.  End with CNTL/Z.
sulav_2(config)#ip route 192.168.1.0 255.255.255.0 10.10.01.1
sulav_2(config)#ip route 172.16.1.0 255.255.255.0 10.10.01.2
%Invalid next hop address (it's this router)
sulav_2(config)#ip route 172.16.1.0 255.255.255.0 10.10.12.2
sulav_2(config)#
```


PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.2
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
0.0.0.0
IPv6 Configuration
PC1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
172.16.1.2
Subnet Mask
255.255.0.0
Default Gateway
172.16.1.1
DNS Server
0.0.0.0


PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Ping statistics for 192.168.1.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

CONCLUSION:

OBSERVATION:




```
sulav(config)#hostname sulav_1
sulav_1(config)#int
sulav_1(config)#interface g
sulav_1(config)#interface gigabitEthernet 0/0/0
sulav_1(config-if)#ip ad
sulav_1(config-if)#ip address 192.168.1.1 255.255.255.0
sulav_1(config-if)#no sh

sulav_1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0/0, changed state to up
exit
sulav_1(config)#int
sulav_1(config)#interface g
sulav_1(config)#interface gigabitEthernet 0/0/1
sulav_1(config-if)#ip ad
sulav_1(config-if)#ip address 10.10.01.1 255.255.255.252
sulav_1(config-if)#no sh

sulav_1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to
up

sulav_1(config-if)#
```

```
sulav_2>en
sulav_2#sh ip int br
Interface              IP-Address      OK? Method Status
Protocol
GigabitEthernet0/0/0   10.10.1.2       YES manual up
up
GigabitEthernet0/0/1   10.10.12.1      YES manual up
up
GigabitEthernet0/0/2   unassigned      YES unset
administratively down down
Vlan1                  unassigned      YES unset
administratively down down
```

```
sulav_3#conf ter
Enter configuration commands, one per line.  End with CNTL/Z.
sulav_3(config)#ip route 192.168.1.0 255.255.255.0 10.10.12.1 150
sulav_3(config)#ip route 10.10.1.0 255.255.255.252 10.10.12.1 150
sulav_3(config)#do wr
Building configuration...
[OK]
sulav_3(config)#netw
sulav_3(config)#rou
sulav_3(config)#router ri
sulav_3(config)#router rip
sulav_3(config-router)#ne
sulav_3(config-router)#network 192.168.1.0
sulav_3(config-router)#net
sulav_3(config-router)#network 10.10.1.0
sulav_3(config-router)#do wr
Building configuration...
[OK]
sulav_3(config-router)#
```

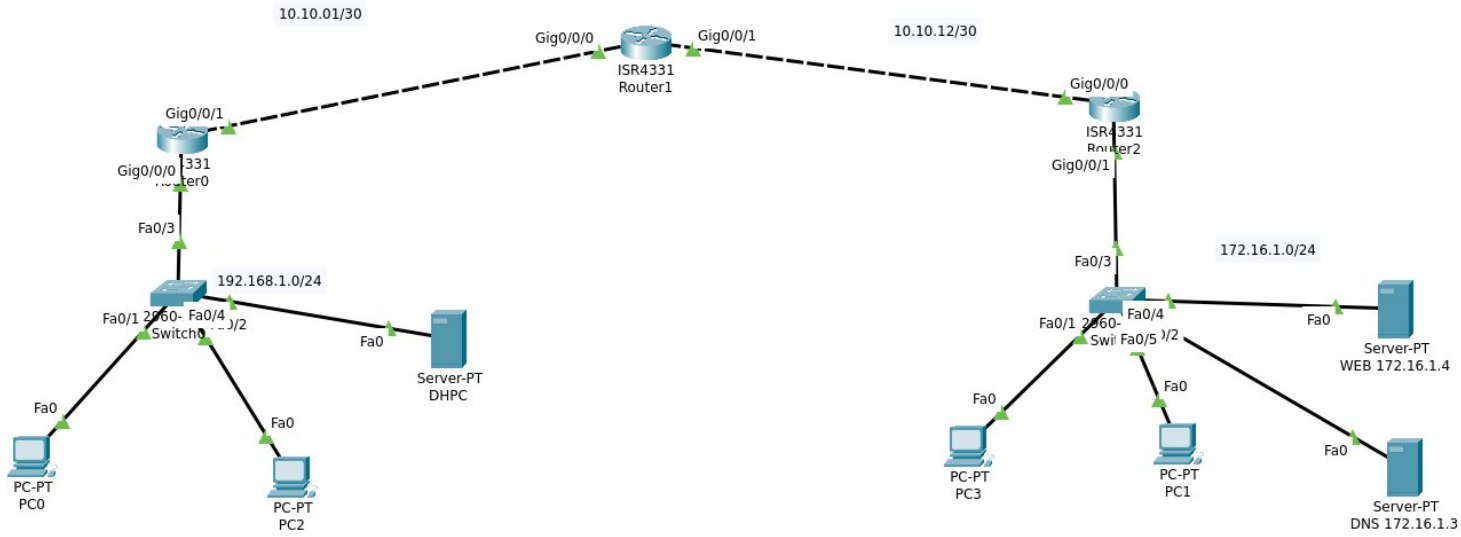
```
     10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C       10.10.1.0/30 is directly connected, GigabitEthernet0/0/0
L       10.10.1.2/32 is directly connected, GigabitEthernet0/0/0
C       10.10.12.0/30 is directly connected, GigabitEthernet0/0/1
L       10.10.12.1/32 is directly connected, GigabitEthernet0/0/1
     172.16.0.0/16 is variably subnetted, 2 subnets, 2 masks
R       172.16.0.0/16 [120/1] via 10.10.12.2, 00:00:35,
GigabitEthernet0/0/1
S       172.16.1.0/24 [150/0] via 10.10.12.2
R    192.168.1.0/24 [120/1] via 10.10.1.1, 00:00:54,
GigabitEthernet0/0/0

sulav_2(config-router)#exit
```

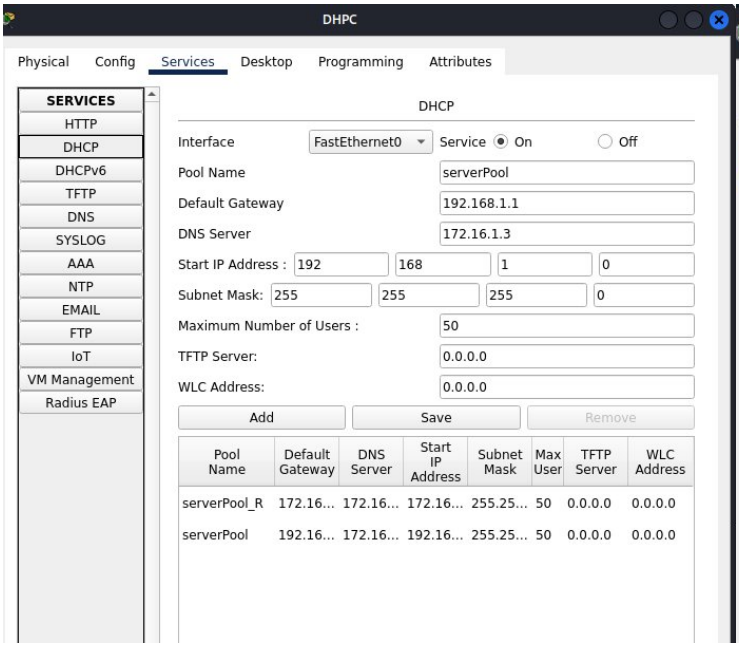
```
sulav_1(config)#do sh ip route rip
     10.0.0.0/8 is variably subnetted, 3 subnets, 2 masks
R       10.10.12.0/30 [120/1] via 10.10.1.2, 00:00:11,
GigabitEthernet0/0/1
     172.16.0.0/16 is variably subnetted, 2 subnets, 2 masks
R       172.16.0.0/16 [120/2] via 10.10.1.2, 00:00:11,
GigabitEthernet0/0/1
```

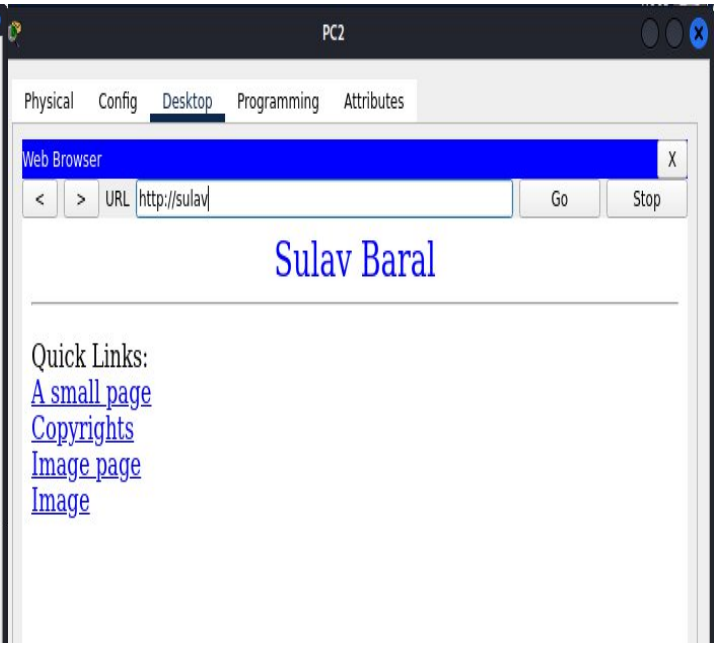
```
C:\>tracert 172.16.1.1

Tracing route to 172.16.1.1 over a maximum of 30 hops:

  1    0 ms      0 ms      0 ms      192.168.1.1
  2    0 ms      0 ms      0 ms      10.10.1.2
  3    0 ms      0 ms      0 ms      172.16.1.1

Trace complete.
```

CONCLUSION:

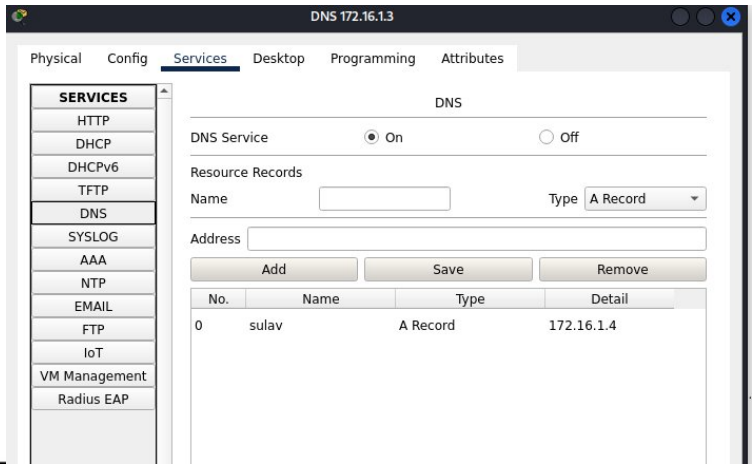
OBSERVATION:

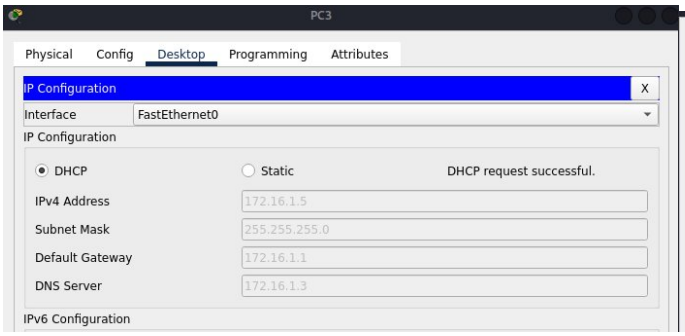


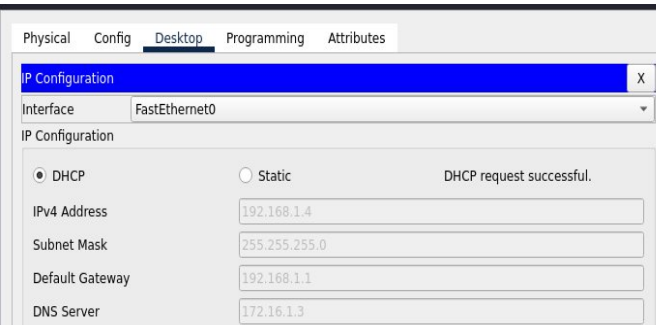


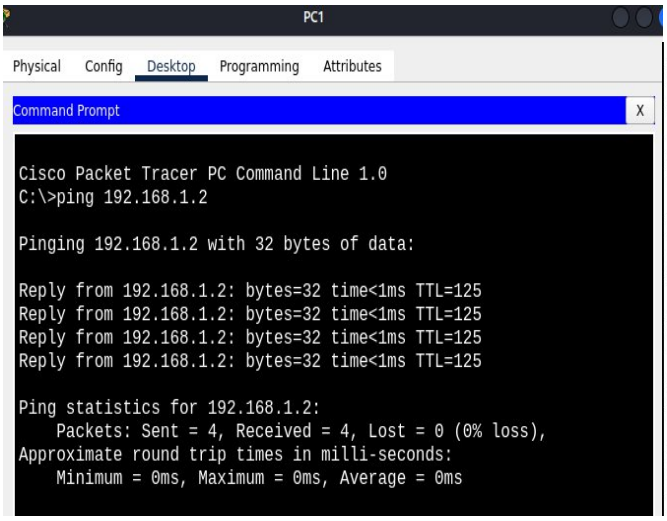



```
sulav_3(config-if)# ip helper-address 192.168.1.3
sulav_3(config-if)#do wr
Building configuration...
[OK]
sulav_3(config-if)#
```





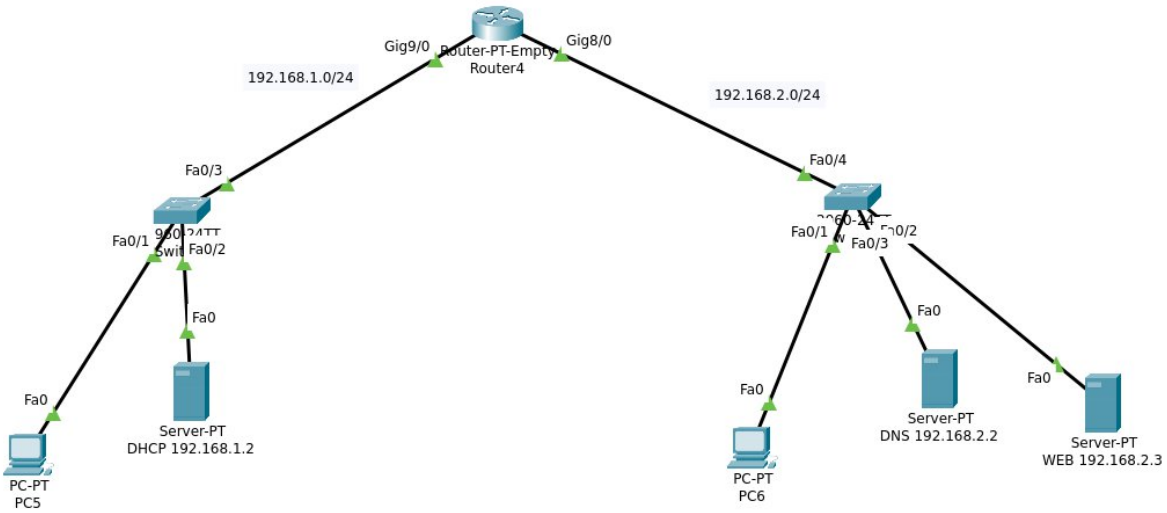


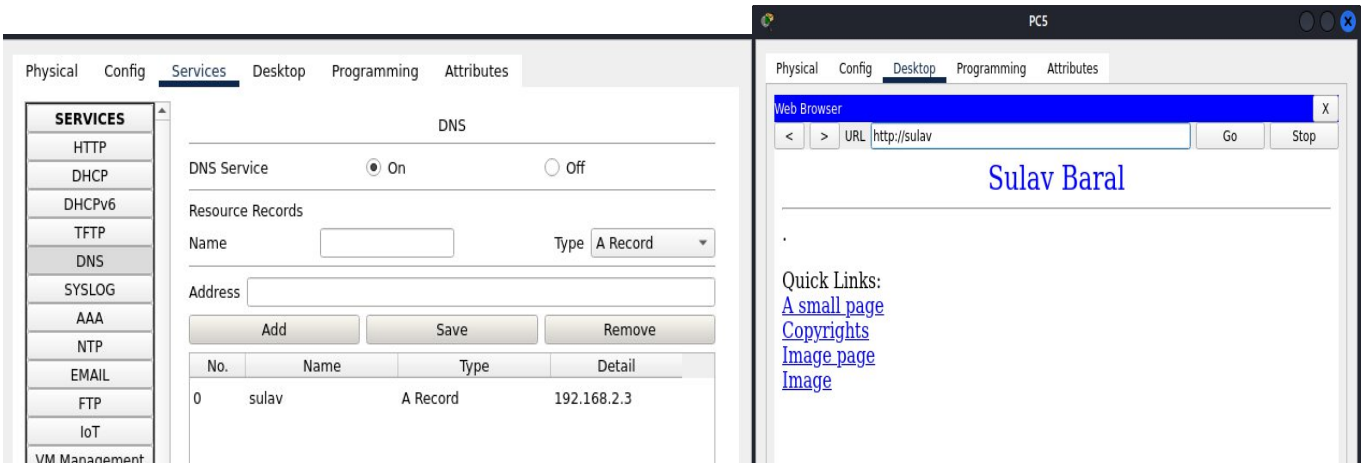


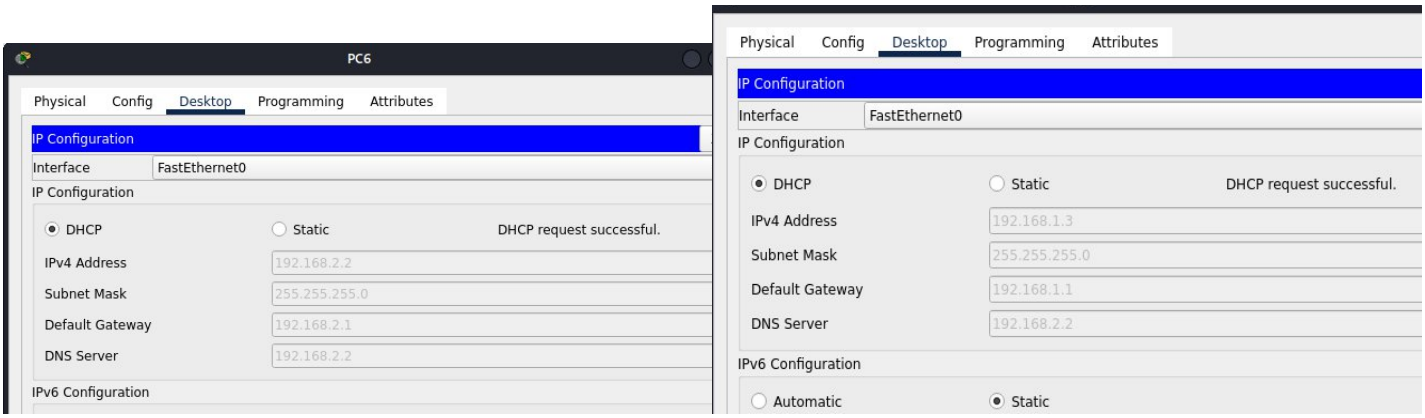

```
Router(config)#int gigabitEthernet 9/0
Router(config-if)#ip ad
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet9/0, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet9/0, changed state to up
exit
Router(config)#int g
Router(config)#int gigabitEthernet 8/0
Router(config-if)#ip ad
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet8/0, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet8/0, changed state to up
exit
Router(config)#hostname sulav_4
```

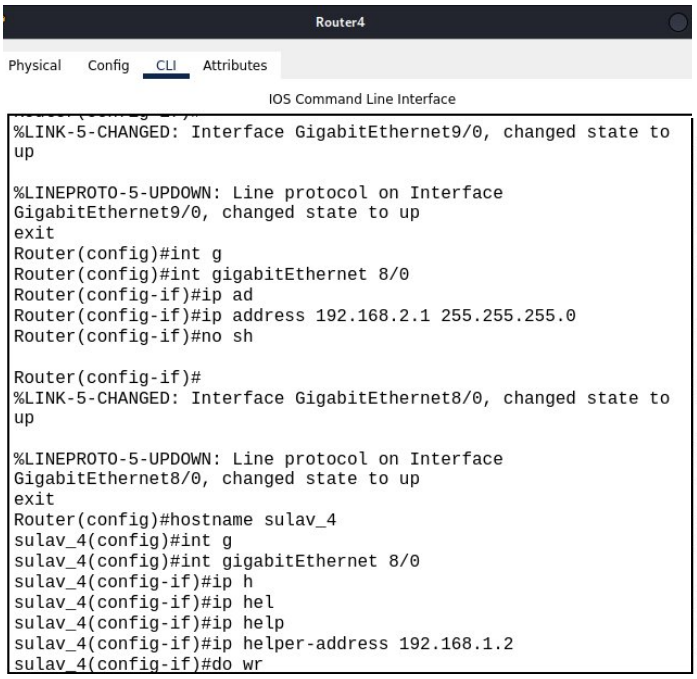
CONCLUSION:

OBSERVATION:



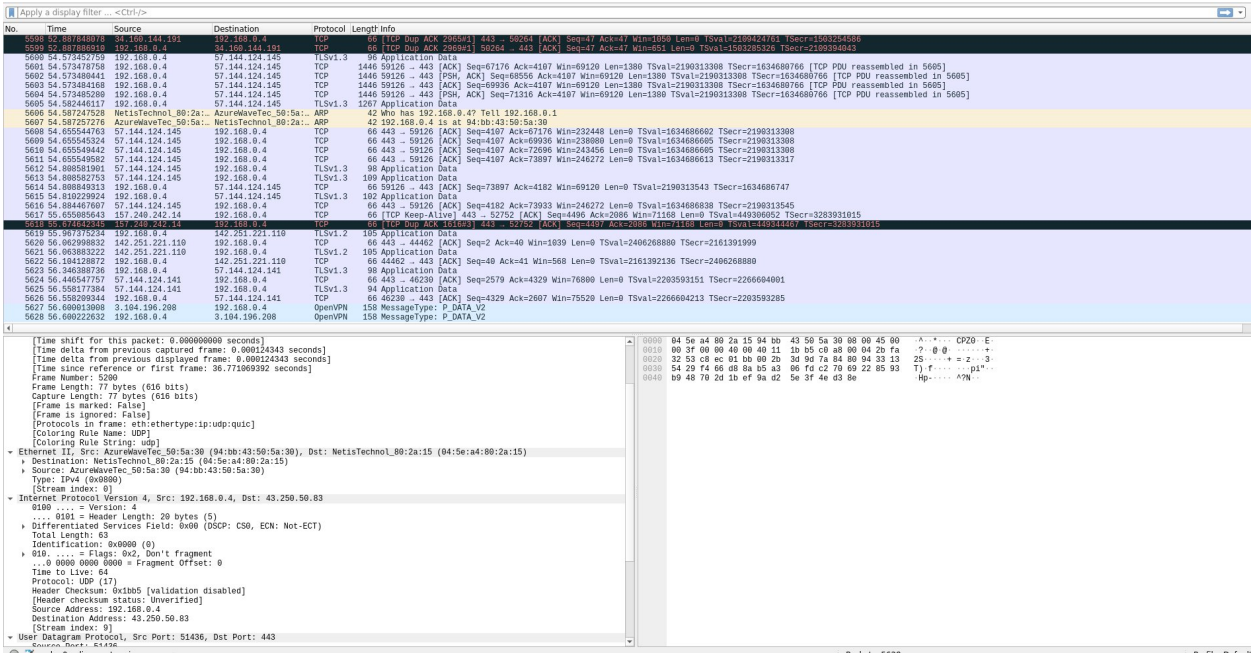





Router4
Physical
Config
CLI
Attributes
IOS Command Line Interface
%LINK-5-CHANGED: Interface GigabitEthernet9/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet9/0, changed state to up
exit
Router(config)#int g
Router(config)#int gigabitEthernet 8/0
Router(config-if)#ip ad
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet8/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet8/0, changed state to up
exit
Router(config)#hostname sulav_4
sulav_4(config)#int g
sulav_4(config)#int gigabitEthernet 8/0
sulav_4(config-if)#ip h
sulav_4(config-if)#ip hel
sulav_4(config-if)#ip help
sulav_4(config-if)#ip helper-address 192.168.1.2
sulav_4(config-if)#do wr
Router(config)#int gigabitEthernet 9/0
Router(config-if)#ip ad
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet9/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet9/0, changed state to up
exit
Router(config)#int g
Router(config)#int gigabitEthernet 8/0
Router(config-if)#ip ad
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet8/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet8/0, changed state to up
exit
Router(config)#hostname sulav_4

CONCLUSION:

OBSERVATION:

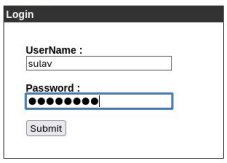


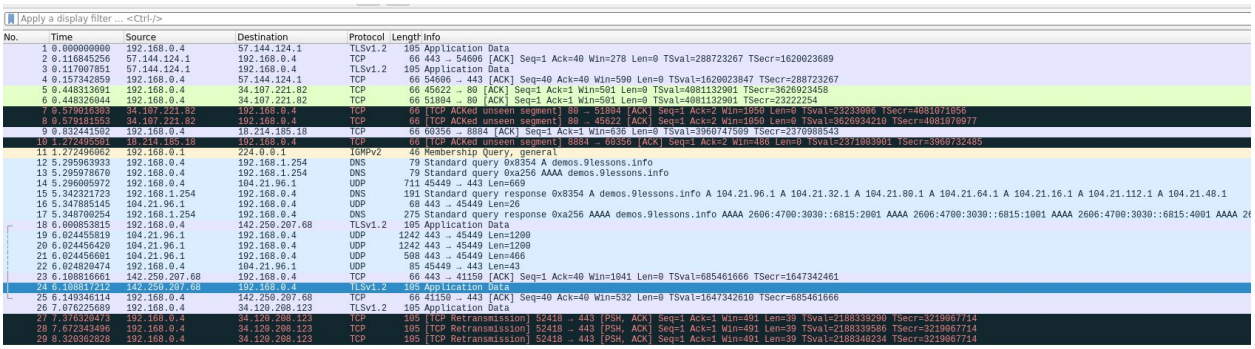
CONCLUSION:

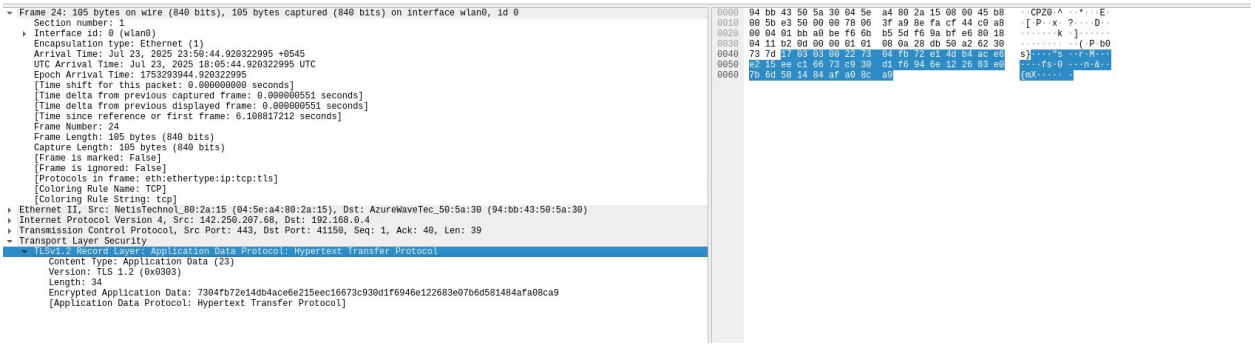
OBSERVATION:(HTTPS)

Tutorial link Click Here

Demo Login Details -> Username : test Password : test







CONCLUSION:

OBSERVATION:(HTTP)

Welcome to level 1

Lets start with a simple injection.

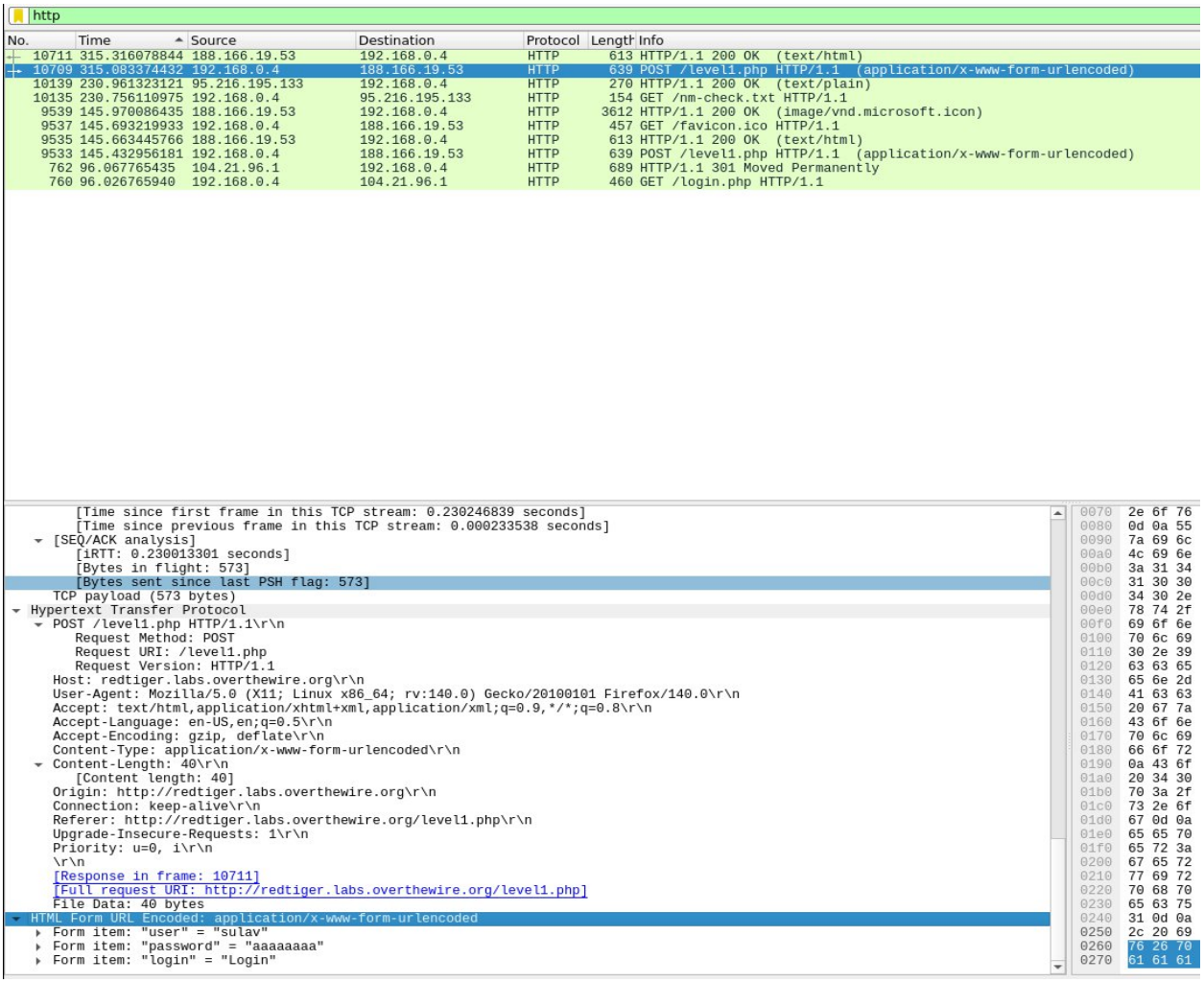
Target: Get the login for the user Hornoxe
Hint: You really need one? omg -_-
Tablename: level1_users

Category: 1

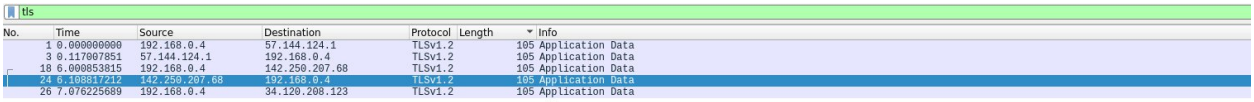
This category does not exist!

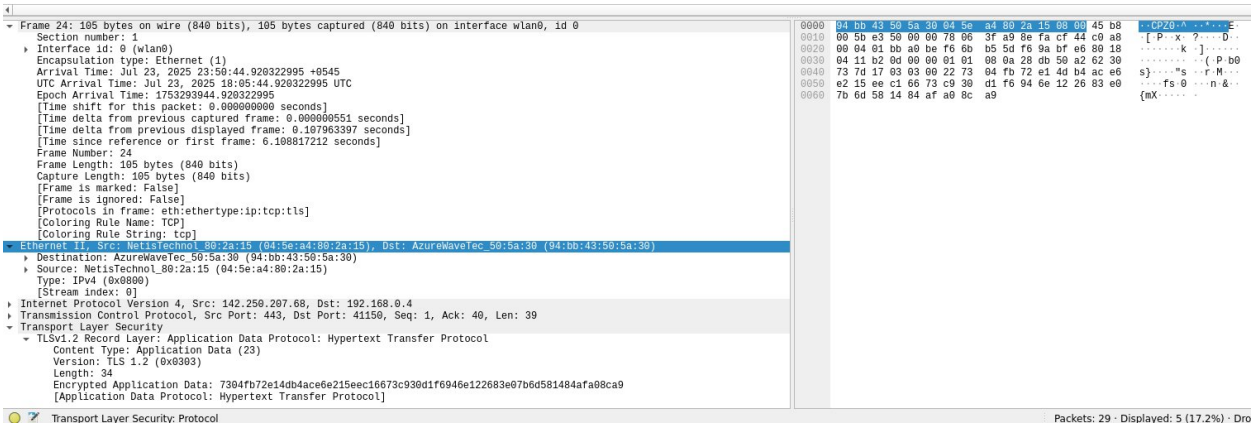
Username: sulav
Password: aaaaaaaa Login

Login incorrect!



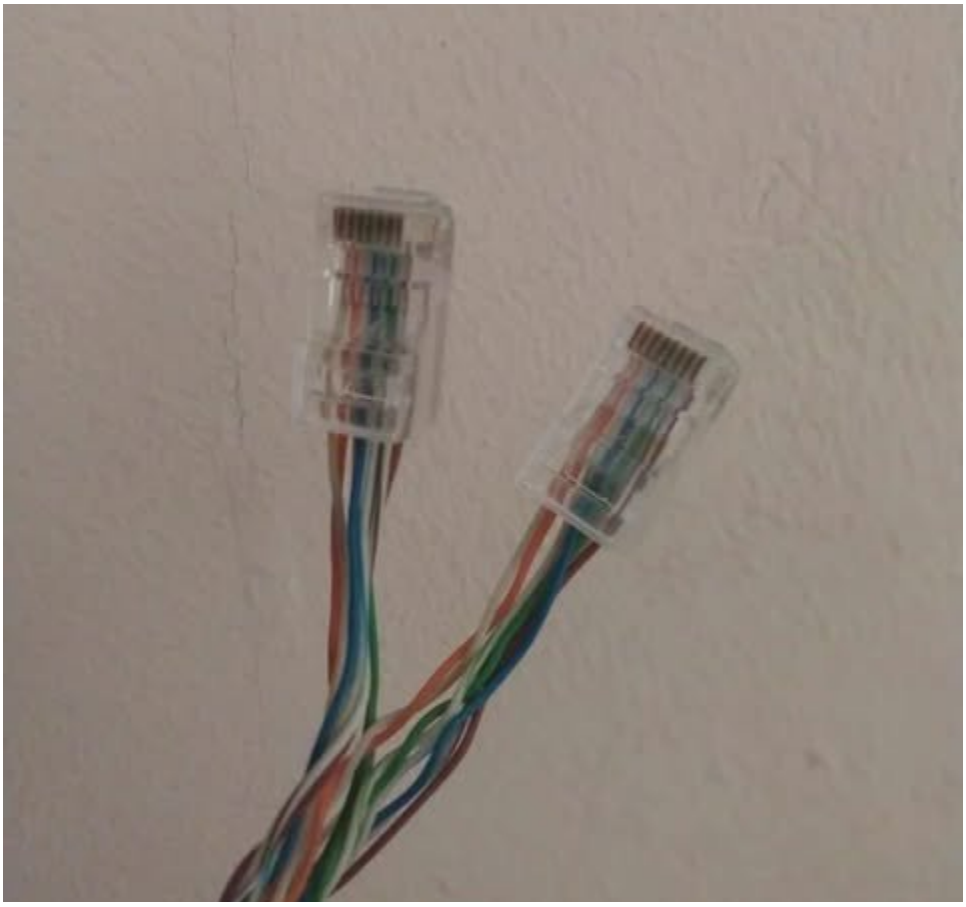
OBSERVATION:





CONCLUSION:

OBSERVATION:



CONCLUSION:

Report On

Computer Networks (CSC263)

Submitted To

Mr. Dev Timilsina

Submitted By

Sulav Baral

Roll no. : 09 (Sec.A)

Symbol no. : 80012181

INDEX

SN	Experiment	Date of Experiment	Date of Submission	Remarks
1.	Connecting and testing Ethernet cabling standard	2082-	2082-	
2.	Capturing packets from a public network	2082-	2082-	
3.	Comparision between http and https.	2082-	2082-	
4.	Inspection of TCP and OSI reference model.	2082-	2082-	