Name : M.Jawad khan
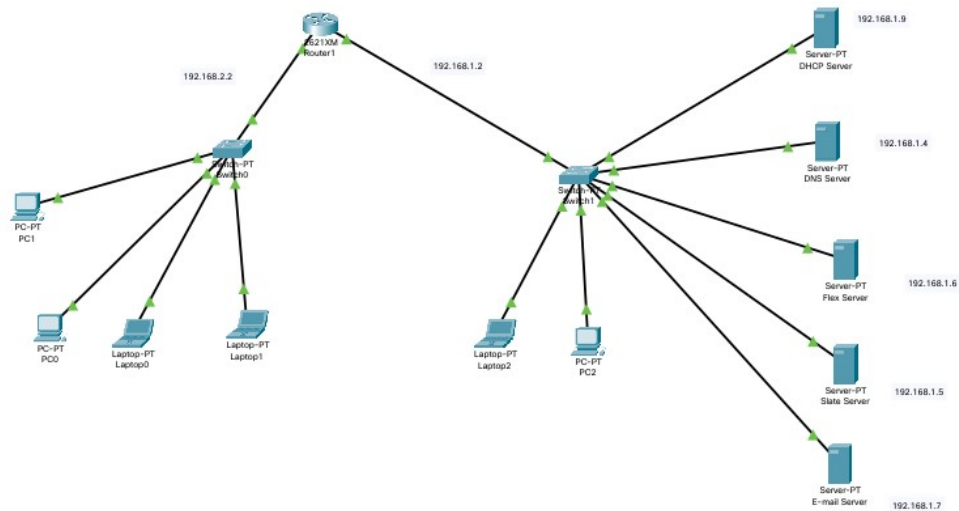
Roll-No : p19-0053

BSCS – 5A

DHCP Server

Physical   Config   **Services**   Desktop   Programming   Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface	FastEthernet0 ▾	Service ⦿ On	○ Off

Pool Name	serverPool
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

Start IP Address :	0	0	0	0
Subnet Mask:	0	0	0	0

Maximum Number of Users :	512
TFTP Server:	0.0.0.0
WLC Address:	0.0.0.0

Add	Save	Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
p1	192.168....	192.168....	192.168....	255.255....	256	0.0.0.0	0.0.0.0
p2	192.168....	192.168....	192.168....	255.255....	256	0.0.0.0	0.0.0.0
serverPool	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	512	0.0.0.0	0.0.0.0

☐ Top

DHCP Server

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name   DHCP Server

Gateway/DNS IPv4

- ( ) DHCP
- (●) Static

Default Gateway   192.168.1.2

DNS Server   192.168.1.4

Gateway/DNS IPv6

- ( ) Automatic
- (●) Static

Default Gateway

DNS Server

☐ Top

DNS Server

Physical Config **Services** Desktop Programming Attributes

SERVICES
- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

HTTP

HTTP

( ) On   ( ) Off

HTTPS

( ) On   ( ) Off

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

[New File] [Import]

☐ Top

DNS Server

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name | DNS Server

Gateway/DNS IPv4

○ DHCP

◉ Static

Default Gateway | 192.168.1.2

DNS Server | 192.168.1.4

Gateway/DNS IPv6

○ Automatic

◉ Static

Default Gateway |

DNS Server |

☐ Top

IOS Command Line Interface

```
Router>enable
Router#configration terminal
                ^
% Invalid input detected at '^' marker.

Router#configration terminal
                ^
% Invalid input detected at '^' marker.

Router#config terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 192.168.1.2 255.255.255.0
Router(config-if)#ex
Router(config)#ip dhcp pool p1
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.2
Router(dhcp-config)#dns-server 192.168.1.4
Router(dhcp-config)#ex
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.2.0 255.255.255.0
Bad mask /24 for address 192.168.2.0
Router(config-if)#ex
Router(config)#dhcp pool p2
             ^
% Invalid input detected at '^' marker.

Router(config)#ip dhcp pool p2
Router(dhcp-config)#network 192.168.2.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.2.2
Router(dhcp-config)#dns-server 192.168.1.4
Router(dhcp-config)#ex
Router(config)#server pinged
              ^
% Invalid input detected at '^' marker.

Router(config)#
```

Ctrl+F6 to exit CLI focus

☐ Top

E-mail Server

Physical | Config | Services | Desktop | Programming | Attributes

GLOBAL
Settings
Algorithm Settings

INTERFACE
FastEthernet0

Global Settings

Display Name | E-mail Server

Gateway/DNS IPv4
○ DHCP
◉ Static
Default Gateway | 192.168.1.2
DNS Server | 192.168.1.4

Gateway/DNS IPv6
○ Automatic
◉ Static
Default Gateway |
DNS Server |

☐ Top

E-mail Server

Physical   Config   Services   **Desktop**   Programming   Attributes

IP Configuration   X

IP Configuration

( ) DHCP   (●) Static

IPv4 Address   192.168.1.7

Subnet Mask   255.255.255.0

Default Gateway   192.168.1.2

DNS Server   192.168.1.4

IPv6 Configuration

( ) Automatic   (●) Static

IPv6 Address   [   ] / [   ]

Link Local Address   FE80::20D:BDFF:FEA4:22E1

Default Gateway   [   ]

DNS Server   [   ]

802.1X

[ ] Use 802.1X Security

Authentication   MD5

Username   [   ]

Password   [   ]

[ ] Top

PC2

Physical | Config | Desktop | Programming | Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth

Global Settings

Display Name | PC2

Interfaces | FastEthernet0

Gateway/DNS IPv4

- ( ) DHCP
- ( ) Static

Default Gateway | 192.168.1.2

DNS Server | 192.168.1.4

Gateway/DNS IPv6

- ( ) Automatic
- ( ) Static

Default Gateway |

DNS Server |

☐ Top

Laptop1

Physical   Config   **Desktop**   Programming   Attributes

IP Configuration   X

Interface	FastEthernet0 ▼

IP Configuration

◉ DHCP   ○ Static

IPv4 Address	192.168.2.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.2.2
DNS Server	192.168.1.4

IPv6 Configuration

○ Automatic   ◉ Static

IPv6 Address	/
Link Local Address	FE80::201:96FF:FED1:180B
Default Gateway	
DNS Server	

802.1X

☐ Use 802.1X Security

Authentication	MD5 ▼
Username	
Password	

☐ Top

PC2

Physical   Config   **Desktop**   Programming   Attributes

IP Configuration   X

| Interface | FastEthernet0 ▾ |

IP Configuration

◉ DHCP   ○ Static

IPv4 Address	192.168.1.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.2
DNS Server	192.168.1.4

IPv6 Configuration

○ Automatic   ◉ Static

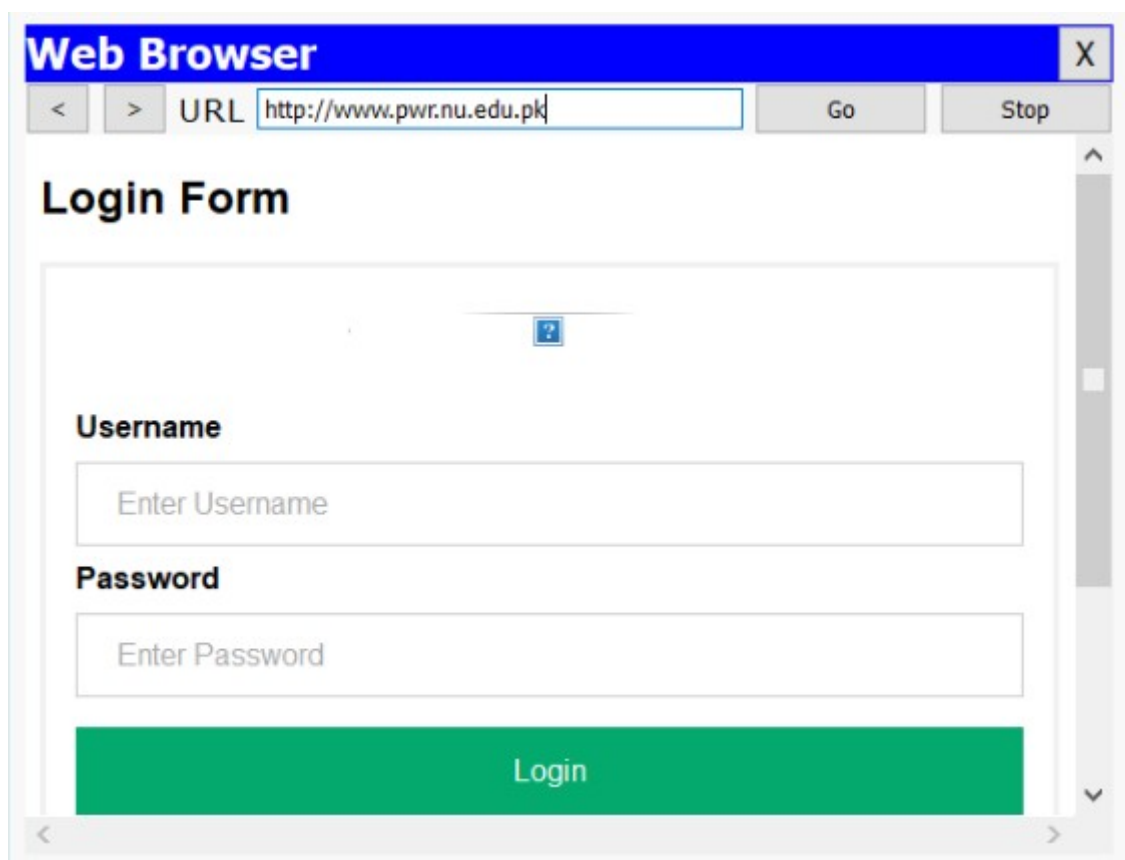| IPv6 Address | | / |
Link Local Address	FE80::2D0:BCFF:FEAB:EAB2
Default Gateway	
DNS Server	

802.1X

☐ Use 802.1X Security

Authentication	MD5 ▾
Username	
Password	

☐ Top

Point - 1

When we sent the IP first time the web server is open

Point - 2

When I send the URL the first time it will go to DNS server, then when I again send the URL it will directly go to web server as it's IP is already stored in cache/switches.

Physical   Config   Services   **Desktop**   Programming   Attributes

Web Browser   X

< | > | URL | http://www.slate.nu.edu.pk | Go | Stop

Login Form

Username

Enter Username

Password

Enter Password

Login

☑ Remember me

Cancel   Forgot password?

☐ Top

Physical   Config   Services   **Desktop**   Programming   Attributes

X

| < | > | URL | http://www.flex.nu.edu.pk| | | Go | Stop |

Username

Enter Username

Password

Enter Password

Login

Top