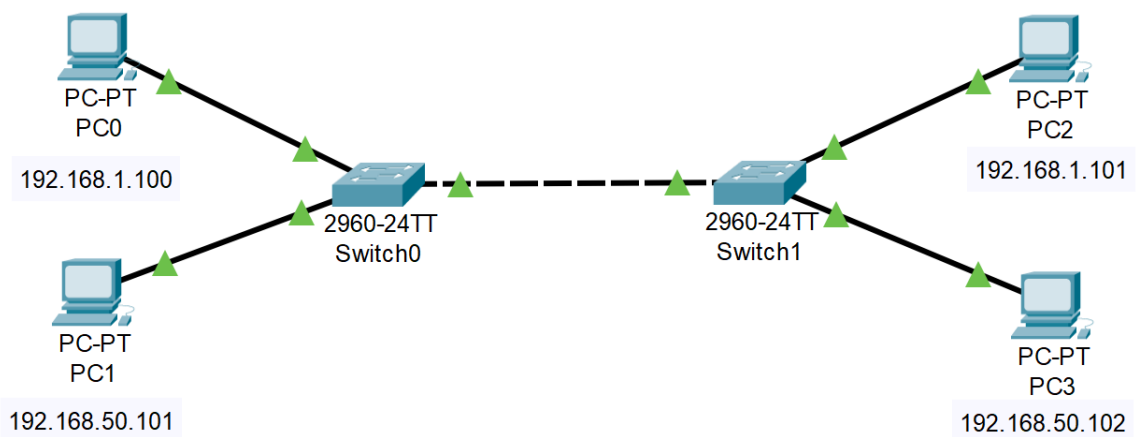# COMPUTER NETWORKS

TASK-5

NAME: MAJJIGA JASWANTH

REG.NO: 20BCD7171

VLAN:

Topology:

All the PCs:

PC0

Physical | Config | **Desktop** | Programming | Attributes

IP Configuration [X]

Interface: FastEthernet0

IP Configuration

○ DHCP   ● Static

IPv4 Address: 192.168.1.100

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

○ Automatic   ● Static

IPv6 Address: _____ / _____

Link Local Address: FE80::290:21FF:FE46:9790

Default Gateway: _____

DNS Server: _____

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username: _____

Password: _____

☐ Top

PC1

Physical | Config | **Desktop** | Programming | Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

○ DHCP   ● Static

IPv4 Address: 192.168.50.101

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

○ Automatic   ● Static

IPv6 Address: _____ / _____

Link Local Address: FE80::210:11FF:FE55:EA44

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: 192.168.1.101

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

( ) Automatic   (●) Static

IPv6 Address: _____ / ____

Link Local Address: FE80::290:2BFF:FEE2:A5A1

Default Gateway: _____

DNS Server: _____

802.1X

[ ] Use 802.1X Security

Authentication: MD5

Username: _____

Password: _____

[ ] Top

PC3

Physical | Config | Desktop | Programming | Attributes

IP Configuration [X]

Interface: FastEthernet0

IP Configuration

( ) DHCP   (●) Static

IPv4 Address: 192.168.50.102

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

( ) Automatic   (●) Static

IPv6 Address: _____ / ____

Link Local Address: FE80::20B:BEFF:FE38:90AB

Default Gateway: _____

DNS Server: _____

802.1X

[ ] Use 802.1X Security

Authentication: MD5

Username: _____

Password: _____

[ ] Top

Switch0:

```
Switch>en
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#vlan 50
Switch(config-vlan)#name cse
Switch(config-vlan)#exit
Switch(config)#interface
%LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINK-3-UPDOWN: Interface FastEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to down

%LINK-3-UPDOWN: Interface FastEthernet0/3, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up

% Incomplete command.
Switch(config)#en
% Ambiguous command: "en"
Switch(config)#interface fastEthernet 0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport mode access vlan 50
                                         ^
% Invalid input detected at '^' marker.

Switch(config-if)#switchport mode access vlan50
                                         ^
% Invalid input detected at '^' marker.

Switch(config-if)#switchport mode access Vlan50
                                         ^
% Invalid input detected at '^' marker.

Switch(config-if)#switchport access vlan 50
Switch(config-if)#end
```

```
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#interface fa
% Incomplete command.
Switch(config)#interface fastEthernet 0/24
Switch(config-if)#switchport mode truck
                                 ^
% Invalid input detected at '^' marker.

Switch(config-if)#switchport mode trunk
Switch(config-if)#switchport trunk allowed vlan 1-99
Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#
```

For switch 1:

```
Switch>en
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#vlan 50
Switch(config-vlan)#name cse
Switch(config-vlan)#exit
Switch(config)#interface fastEthernet 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 50
Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
```

ping from pc3 to pc1:

PC3   — ☐ ✕

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.50.101

Pinging 192.168.50.101 with 32 bytes of data:

Reply from 192.168.50.101: bytes=32 time=4ms TTL=128
Reply from 192.168.50.101: bytes=32 time=6ms TTL=128
Reply from 192.168.50.101: bytes=32 time=6ms TTL=128
Reply from 192.168.50.101: bytes=32 time=6ms TTL=128

Ping statistics for 192.168.50.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 6ms, Average = 5ms

C:\>s
```

☐ Top