

NAME – ABHINAV CHAUHAN

COURSE – MCA

SECTION – A

ROLL NO. – 2001004

STUDENT ID – 20561024

Q1 –

Name:- Abhinav chauhan
Abi Course:- MCA (A)
Roll no.:- 2001004
Subject:- Computer Network

Q1:- Step1:- Choose the End device icon & Extract to desktops.

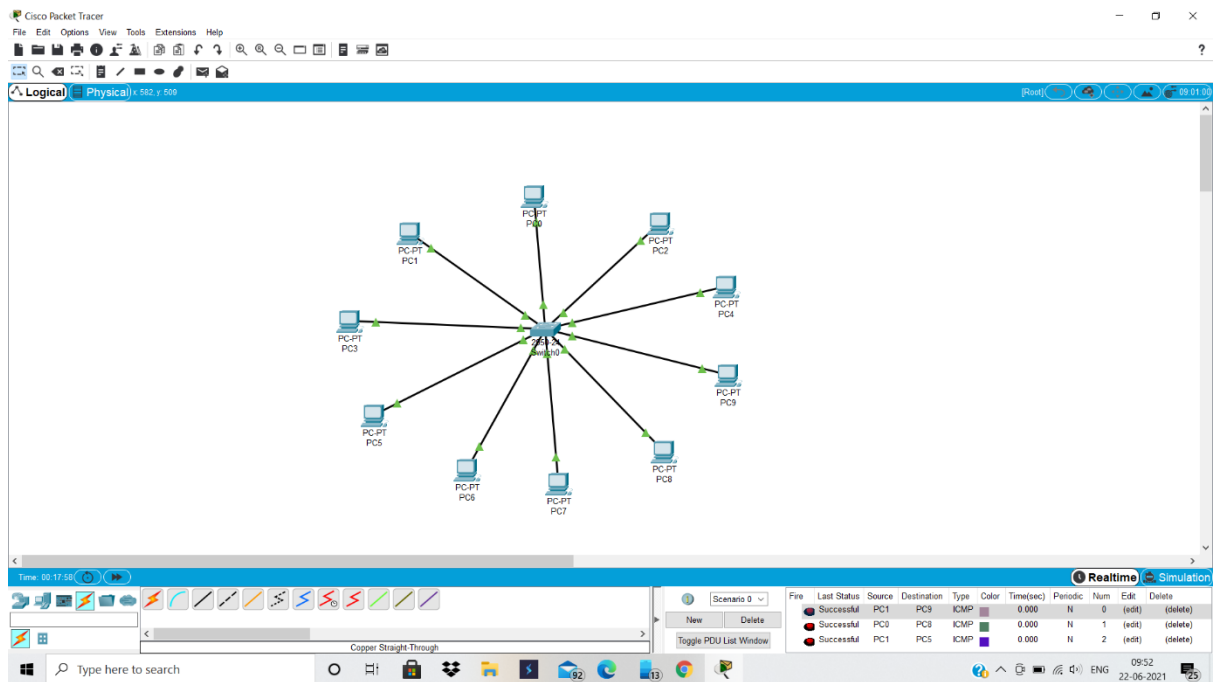
Step2:- Add switch device to connect or build a connection b/w them.

Step3:- Connecting the desktop via switch using cross over cable.

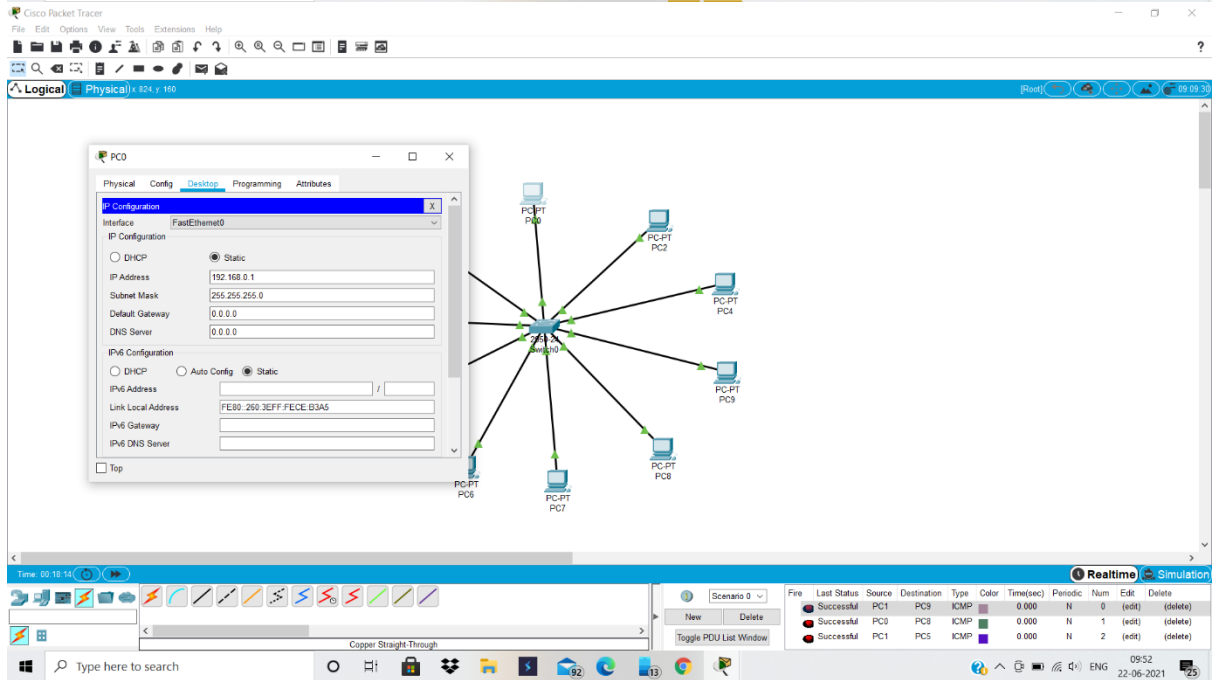
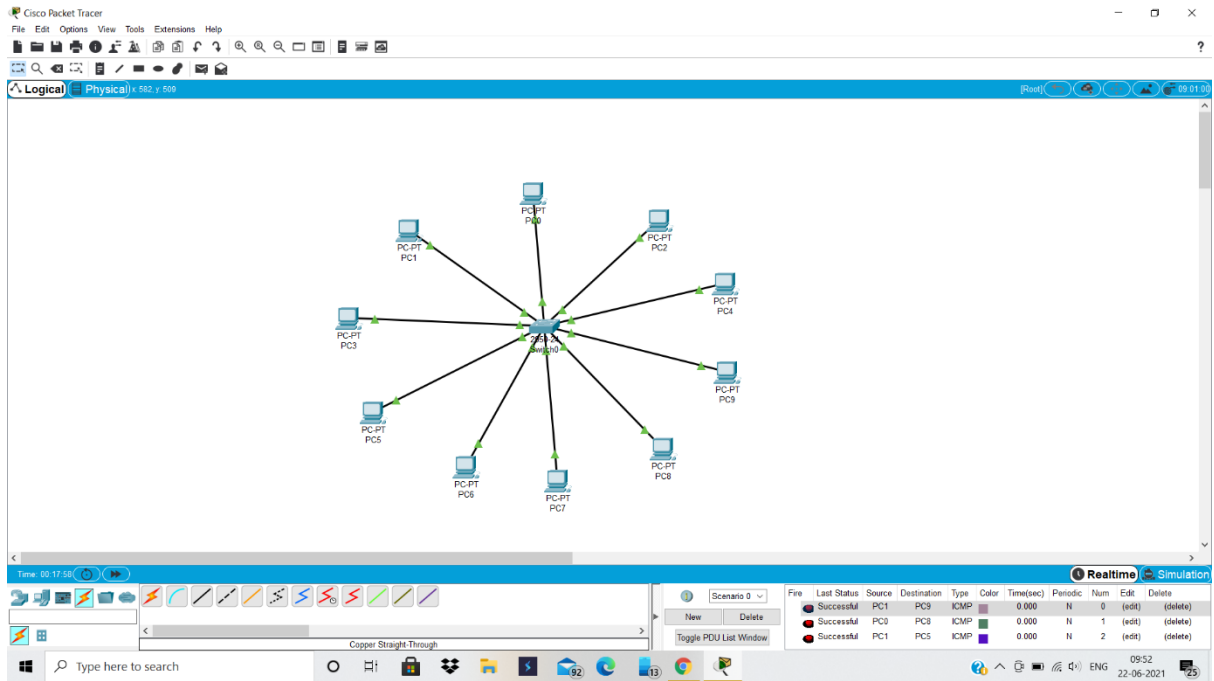
Step4:- Give IP address to each desktop.

Abhinav

NETWORK DESIGN:



IP CONFIGURATION:



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1038, y: 106 [Root] 09:14:59

PC2 Configuration Window:

- Interface: FastEthernet0
- IP Configuration:
 - ☐ DHCP
 - ☒ Static
 - IP Address: 192.168.0.2
 - Subnet Mask: 255.255.255.0
 - Default Gateway: 0.0.0.0
 - DNS Server: 0.0.0.0
- IPv6 Configuration:
 - ☐ DHCP
 - ☐ Auto Config
 - ☒ Static
 - IPv6 Address:
 - Link Local Address: FE80::200:5CFF:FE38:5955
 - IPv6 Gateway:
 - IPv6 DNS Server:
 - 802.1X: ☐
 - Use 802.1X Security: ☐
 - Authentication:

Time: 00:10:23

Scenario 0

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP			0.000	N	0	(edit)	(delete)
Successful	PC0	PC8	ICMP			0.000	N	1	(edit)	(delete)
Successful	PC0	PC5	ICMP			0.000	N	2	(edit)	(delete)

Realtime Simulation

09:52 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1531, y: 169 [Root] 09:18:39

PC4 Configuration Window:

- Interface: FastEthernet0
- IP Configuration:
 - ☐ DHCP
 - ☒ Static
 - IP Address: 192.168.0.3
 - Subnet Mask: 255.255.255.0
 - Default Gateway: 0.0.0.0
 - DNS Server: 0.0.0.0
- IPv6 Configuration:
 - ☐ DHCP
 - ☐ Auto Config
 - ☒ Static
 - IPv6 Address:
 - Link Local Address: FE80::201:97FF:FE29:A7CB
 - IPv6 Gateway:
 - IPv6 DNS Server:
 - 802.1X: ☐
 - Use 802.1X Security: ☐
 - Authentication:

Time: 00:10:31

Scenario 0

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP			0.000	N	0	(edit)	(delete)
Successful	PC0	PC8	ICMP			0.000	N	1	(edit)	(delete)
Successful	PC1	PC5	ICMP			0.000	N	2	(edit)	(delete)

Realtime Simulation

09:52 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 1496 y 180 [Root] 09:21:39

PC9

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.0.4

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::201:43FF:FE1D:7515

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication

☐ Top

PC1 PC3 PC5

Time: 00:10:37

Simulation

Scenario 0

New Delete

Toggle PDU List Window

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP			0.000	N	0	(edit)	(delete)
Successful	PC0	PC8	ICMP			0.000	N	1	(edit)	(delete)
Successful	PC0	PC5	ICMP			0.000	N	2	(edit)	(delete)

Type here to search

Copper Straight-Through

09:52 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 1541 y 89 [Root] 09:25:09

PC8

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.0.5

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::260:F7FF:FE99:D2E0

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication

☐ Top

PC1 PC3 PC5

Time: 00:10:44

Simulation

Scenario 0

New Delete

Toggle PDU List Window

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC8	ICMP			0.000	N	0	(edit)	(delete)
Successful	PC0	PC8	ICMP			0.000	N	1	(edit)	(delete)
Successful	PC1	PC5	ICMP			0.000	N	2	(edit)	(delete)

Type here to search

Copper Straight-Through

09:52 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1000, y: 205 [Root] 09:28:59

PC7

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.0.6

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::207:ECFF:FE53:942A

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication: Static

☐ Top

PC1 PC3 PC5

Time: 00:18:55

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP			0.000	N	0	(edit)	(delete)
Successful	PC0	PC8	ICMP			0.000	N	1	(edit)	(delete)
Successful	PC0	PC5	ICMP			0.000	N	2	(edit)	(delete)

Type here to search

Copper Straight Through

92 13

ENG 09:53 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1437, y: 97 [Root] 09:34:09

PC6

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.0.7

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::206:2AFF:FE4D:97A4

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication: Static

☐ Top

PC1 PC3 PC5

Time: 00:19:01

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP			0.000	N	0	(edit)	(delete)
Successful	PC0	PC8	ICMP			0.000	N	1	(edit)	(delete)
Successful	PC1	PC5	ICMP			0.000	N	2	(edit)	(delete)

Type here to search

Copper Straight Through

92 13

ENG 09:53 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1879, y: 216 [Root] 09:36:39

PC5

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.0.8

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80:20C:CFFF:FE93:E460

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication: Static

☐ Top

PC1 PC3 PC5

Time: 00:19:07

Scenario 0

Fire

Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP		0.000	N	0	(edit)	(delete)
Successful	PC1	PC8	ICMP		0.000	N	1	(edit)	(delete)
Successful	PC1	PC5	ICMP		0.000	N	2	(edit)	(delete)

09:53 22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1781, y: 142 [Root] 09:38:09

PC3

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.0.9

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80:200:58FF:FE12:D760

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication: Static

☐ Top

PC1 PC3 PC5

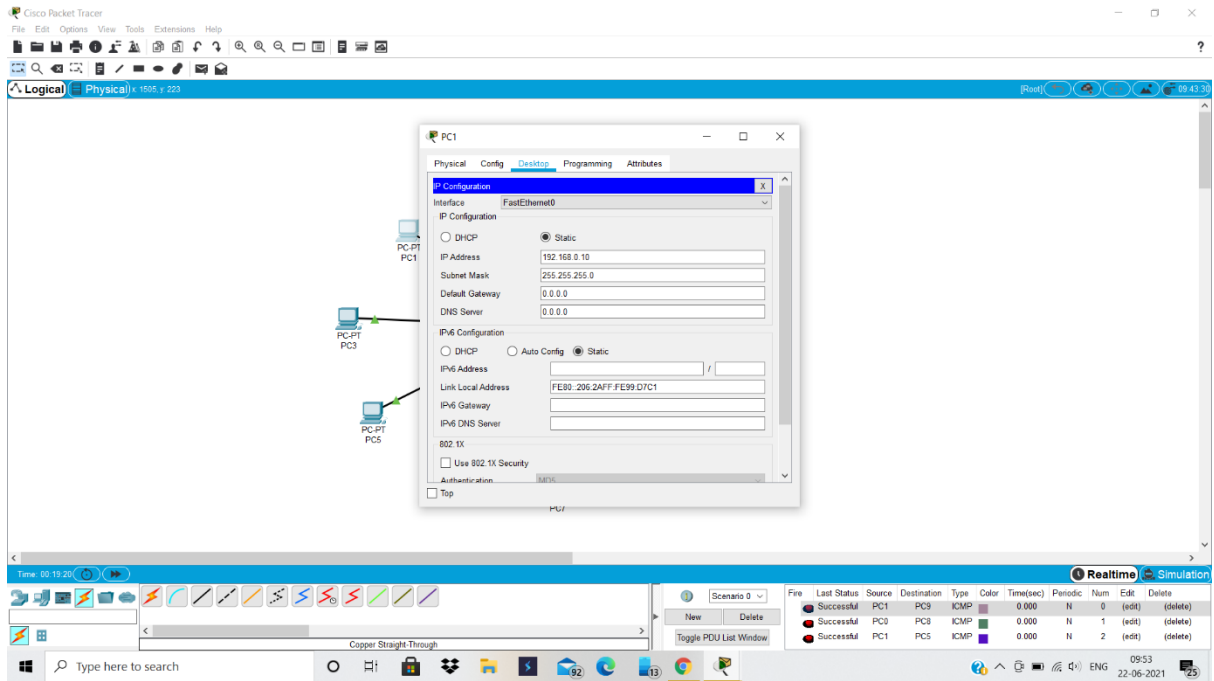
Time: 00:19:12

Scenario 0

Fire

Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC1	PC9	ICMP		0.000	N	0	(edit)	(delete)
Successful	PC3	PC8	ICMP		0.000	N	1	(edit)	(delete)
Successful	PC1	PC5	ICMP		0.000	N	2	(edit)	(delete)

09:53 22-06-2021



NETWORK TESTING:

