

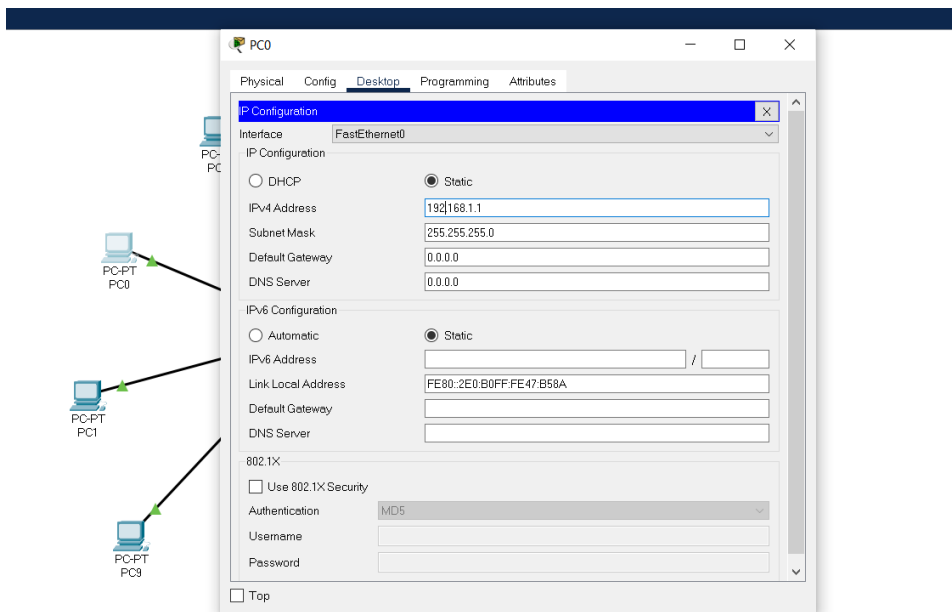
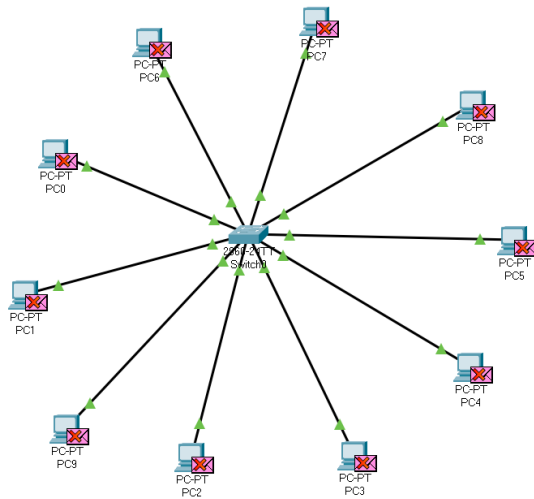
Dhiraj singh

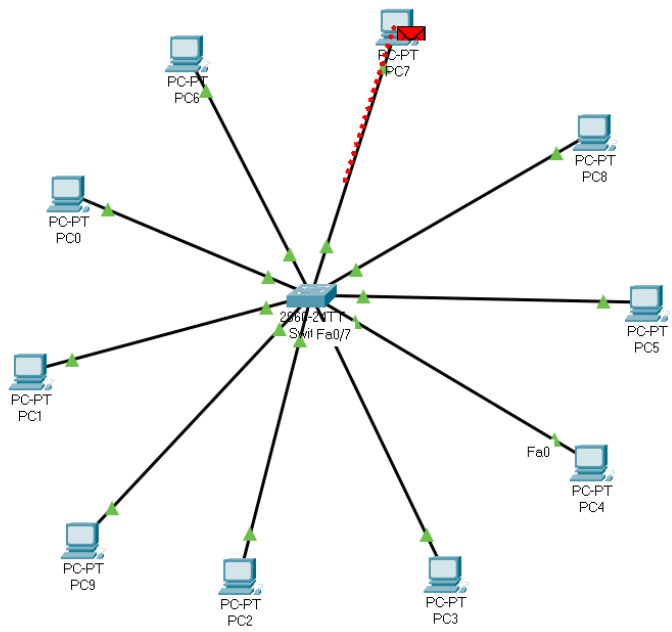
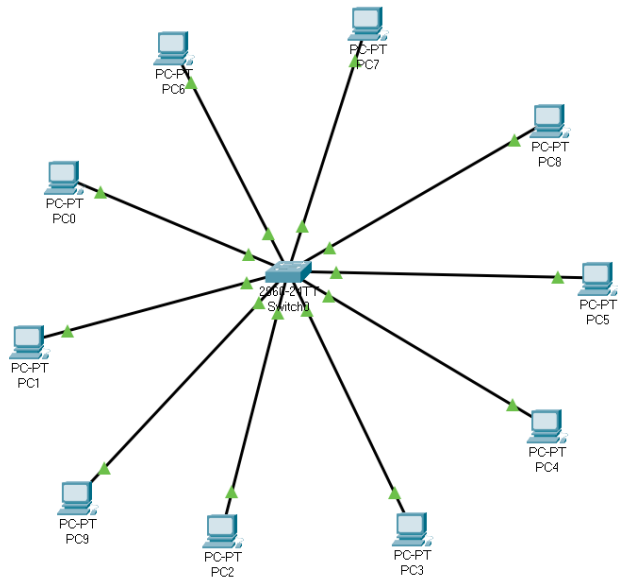
MCA-2A-

CN pratical

2001058

Q:1. Design a network in which 10 PCs are arranged using star topology and show the communication among PCs. (7 Marks)





Q Problem statement- Design a network in which 10 PC are arranged using star topology

Objective- To understand how we design star topology network

Description- Firstly we draw 10 PC

n) Then we draw switch

m) Connect switch using console

iv) Then go to desktop and click IP Config.

v) Assign IP address and ~~also~~ subnet to PC

vi) The click simulation and ~~also~~ check the connection between PC and switch

Q:2. Design a network that contains 5 systems. Configure the IP addresses dynamically and also, show the communication among PCs of the network. (8 Marks)

② Problem statement - Create a network with 5 PCs and ^{function - 1} configure IP addresses dynamically.

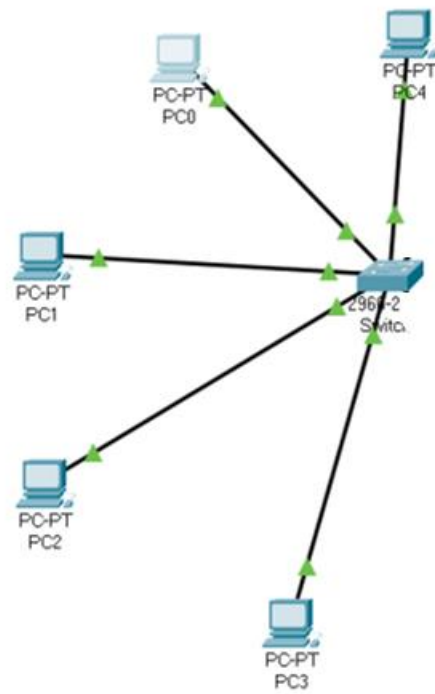
Objective - to understand how to configure IP addresses.

Description - DHCP it stands for dynamic Host Configuration (DHCP) is a protocol used by networked client to obtain the parameters necessary for operation in an internet protocol network.

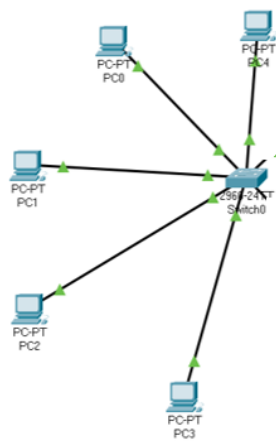
i) Switch - is a telecommunication device grouped as one of computer network components. Switch is like a hub but in built in with advanced features.

ii) Router - when we talk about computer network components the other device that used to connect LAN with an internet connection is called Router.

iii) Cables and Connectors - Cable is one way of transmission media can transmit communication signals.



PC3



10.0.0.10

Physical Config **Services** Desktop Programming Attributes

SERVICES

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

DHCP

Interface: **FoxEthernet0** Service: ☐ On ☒ Off

Pool Name: **serverPool**

Default Gateway: **10.0.0.1**

DNS Server: **0.0.0.0**

Start IP Address: **10** **0** **0** **11**

Subnet Mask: **255** **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	VLAN	TFTP Server	WLC Address
serverPool	10.0.0.1	0.0.0.0	10.0.0.11	255.0.0.0	512	0.0.0.0	0.0.0.0

☐ Top

