



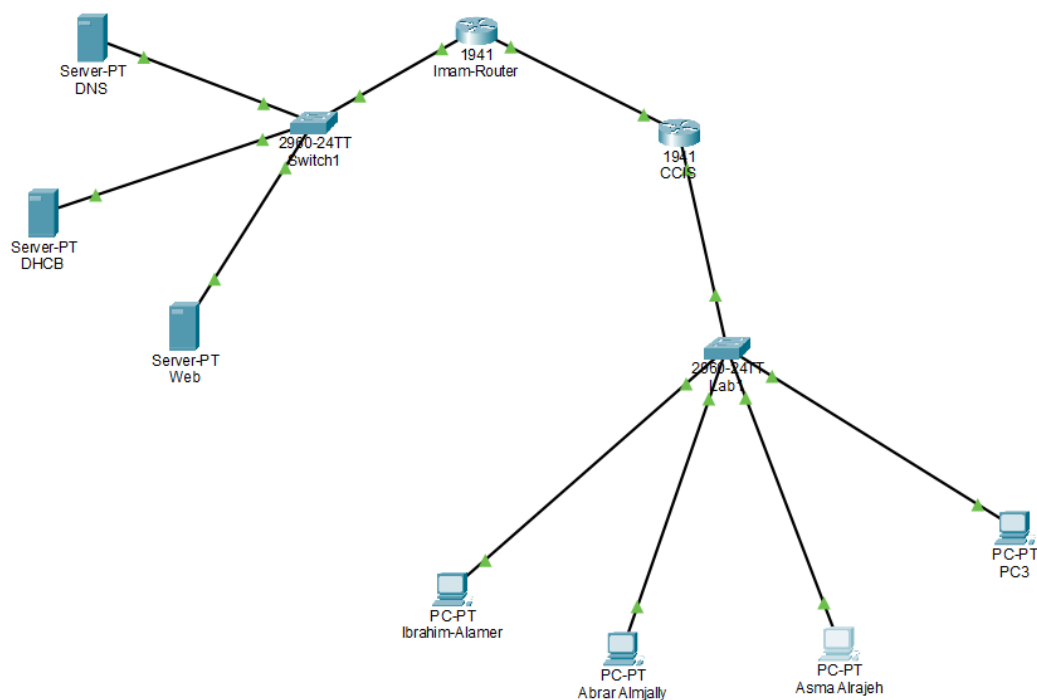
Question:

[] / _20_ Marks

Basic Scenario (as diagram)

Using Cisco Packet Tracer program do the followings:

1. Build a network as stated in the following diagram (show your own diagram and chose the IPs). [3 marks]



2. Configure PCs and Server with your own choosing IP addresses and fill in the table below use the CLI and commend for Pcs. [4 marks]"provide screenshot"

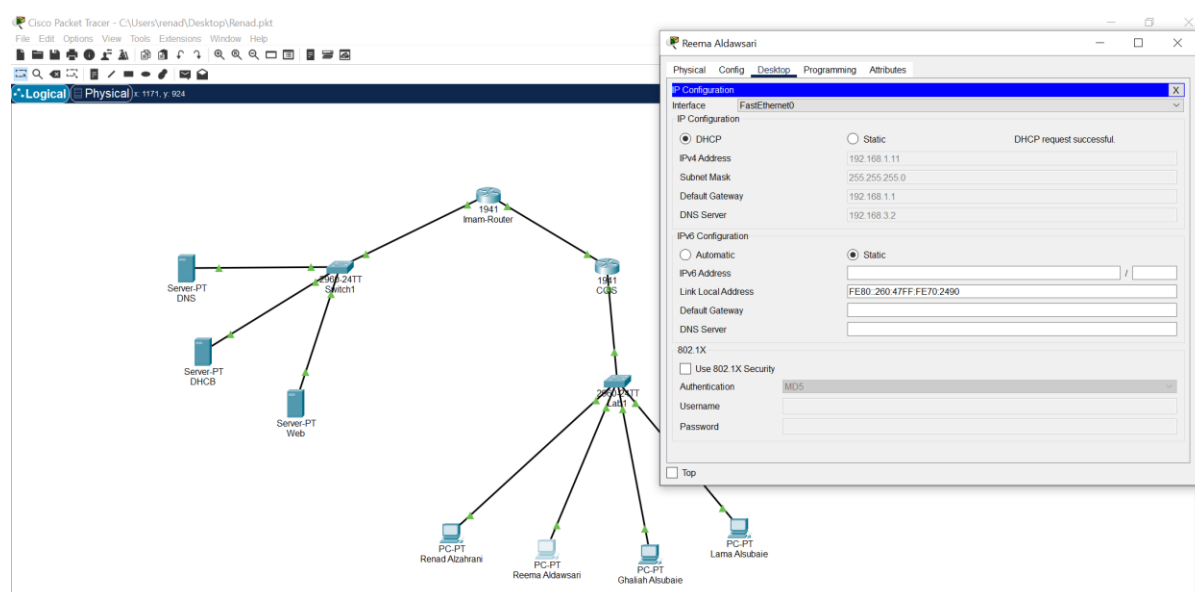
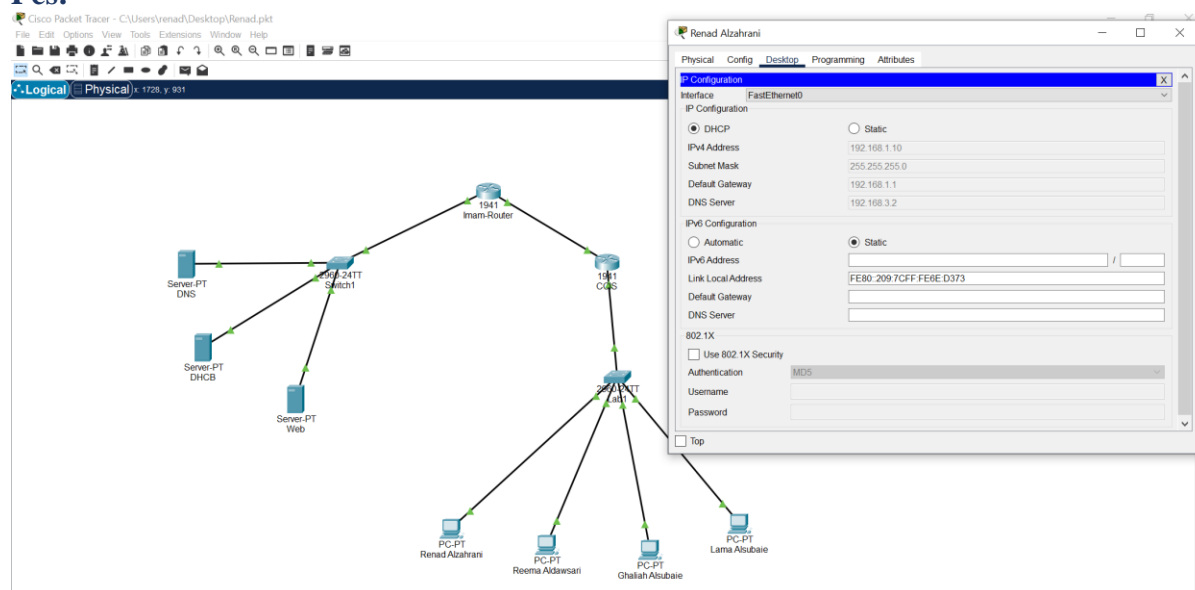
Device Type	Device name	IP address	Subnet mask	Gateway
PCs	Renad Alzahrani	192.168.1.10	255.255.255.0	192.168.1.1
	Reema Aldawsari	192.168.1.11	255.255.255.0	192.168.1.1

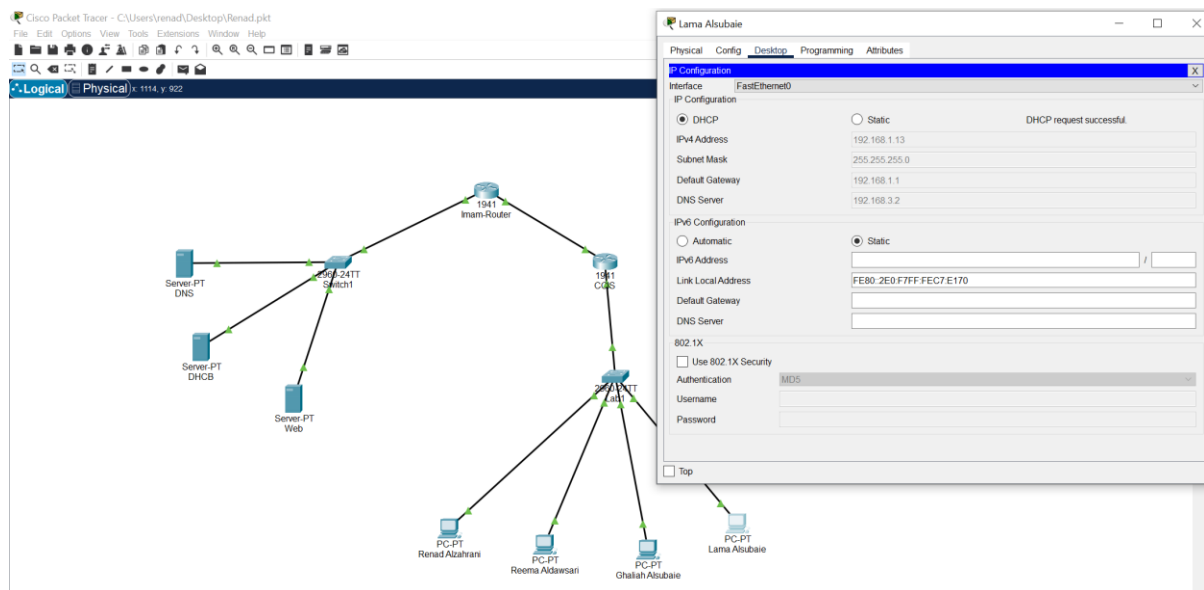
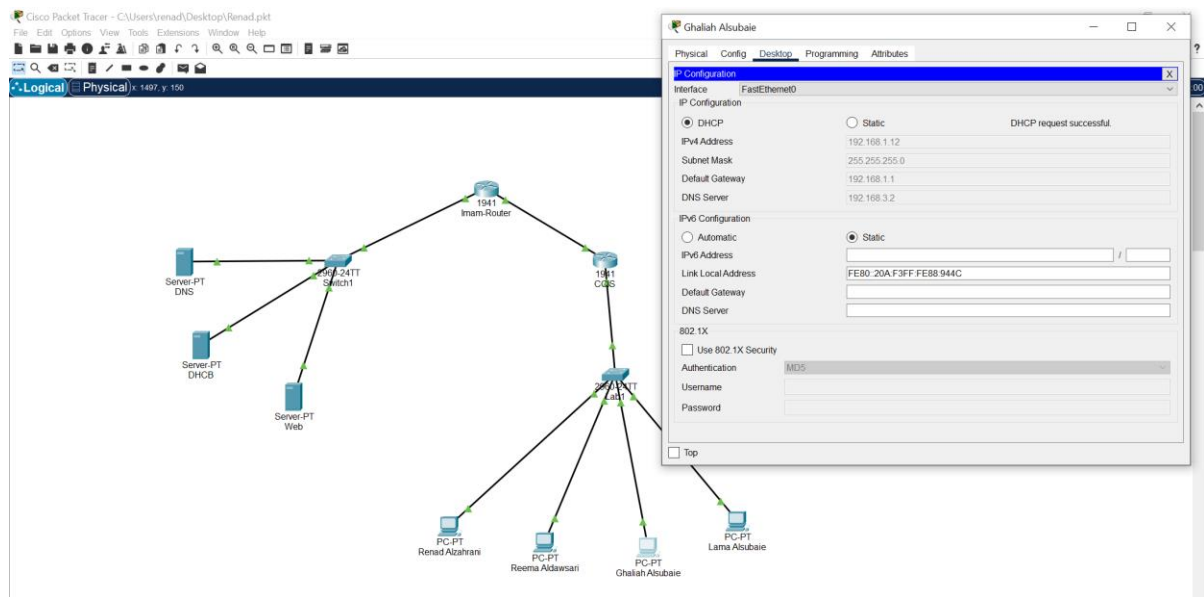


Servers	Ghaliah Alsubaie	192.168.1.12	255.255.255.0	192.168.1.1
	Lama Alsubaie	192.168.1.13	255.255.255.0	192.168.1.1
	DNS	192.168.3.2	255.255.255.0	192.168.3.1
	Web	192.168.3.4	255.255.255.0	192.168.3.1
	DHCB	192.168.3.3	255.255.255.0	192.168.3.1

For the Pcs " Auto from DHCB" and server is static IPs.

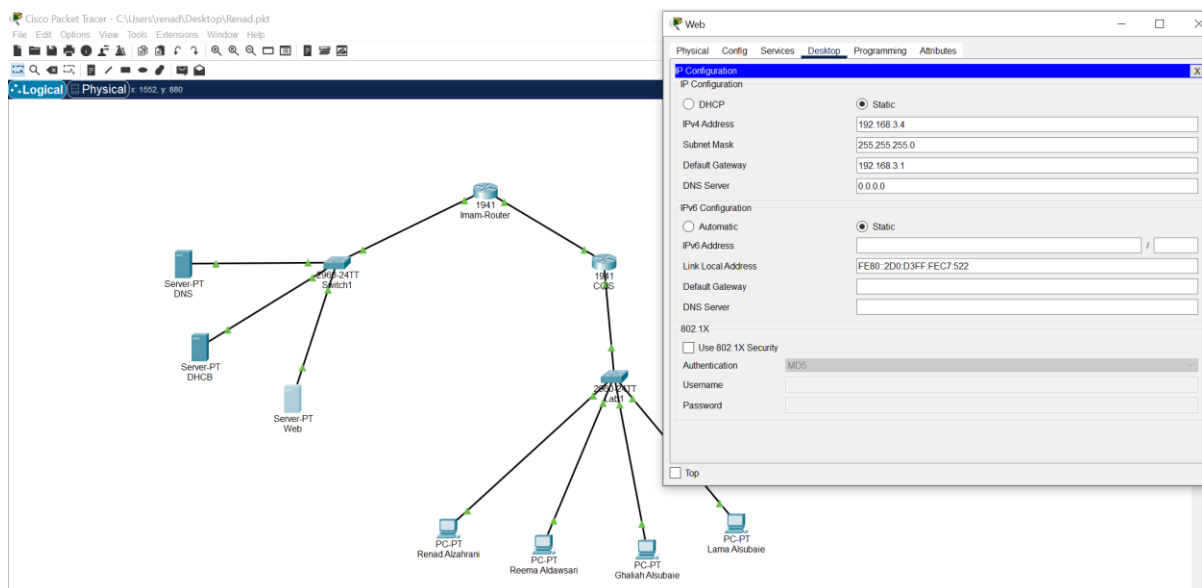
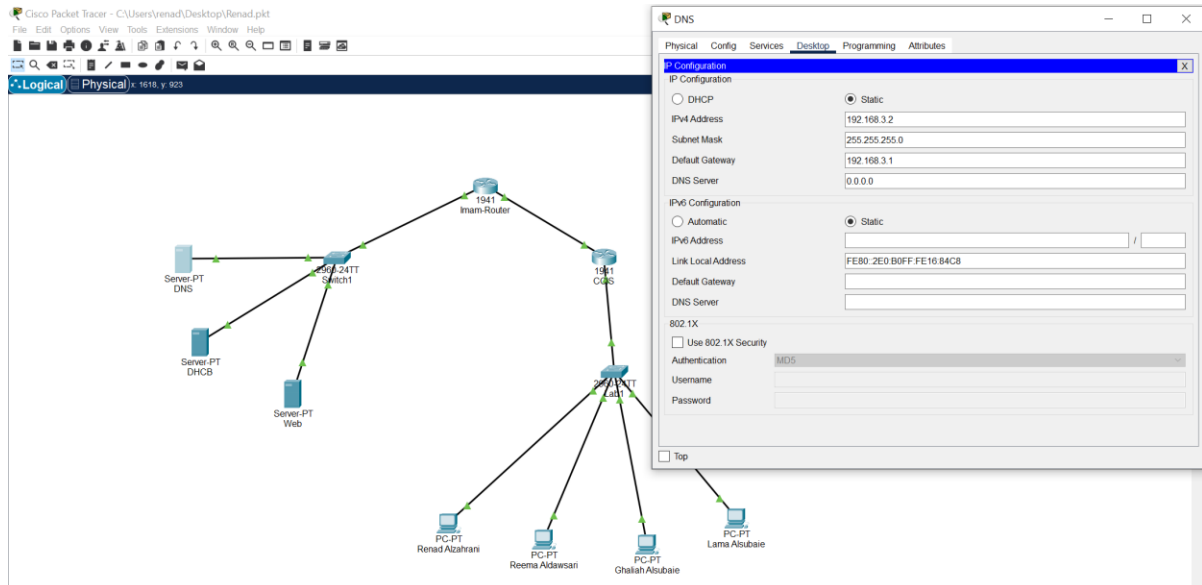
Pcs:

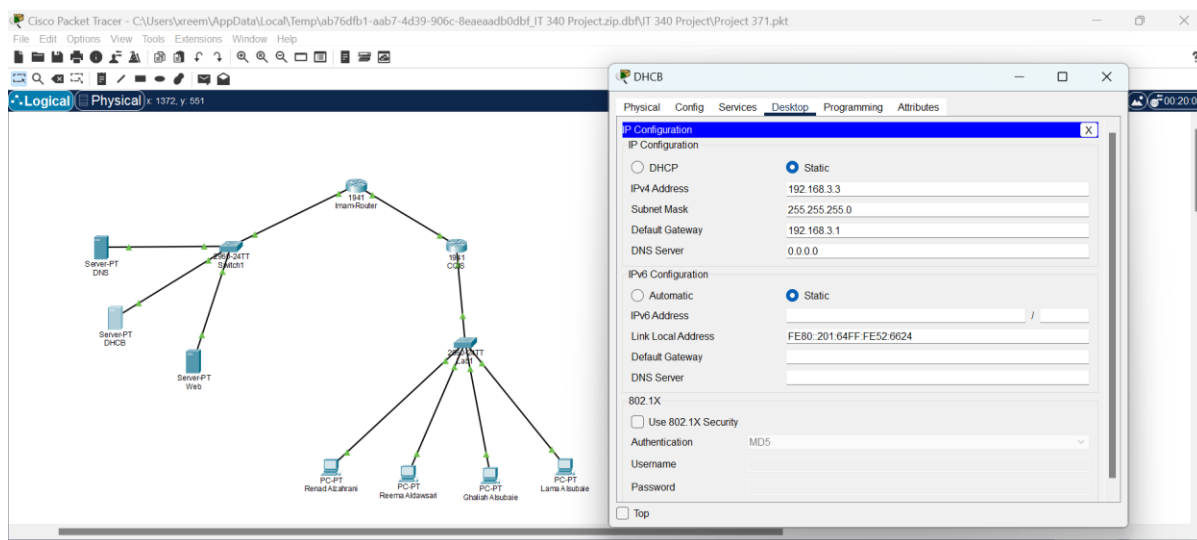






Servers:

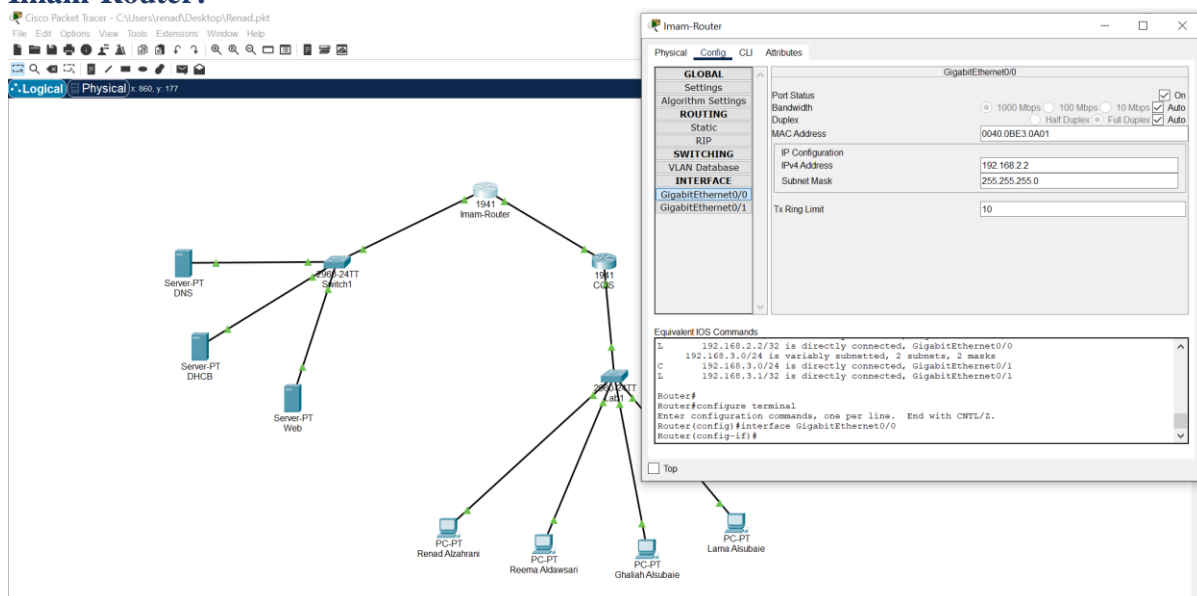




3. Configure routers with IP addresses use the CLI and fill in the table. **provide screenshot" [3 marks]**

Device Type	Device name	Port #	IP address	Subnet mask
Router	IMAM-Router	G0/0	192.168.2.2	255.255.255.0
		G0/1	192.168.3.1	255.255.255.0
	CCIS	G0/0	192.168.2.1	255.255.255.0
		G0/1	192.168.1.1	255.255.255.0

Imam-Router:

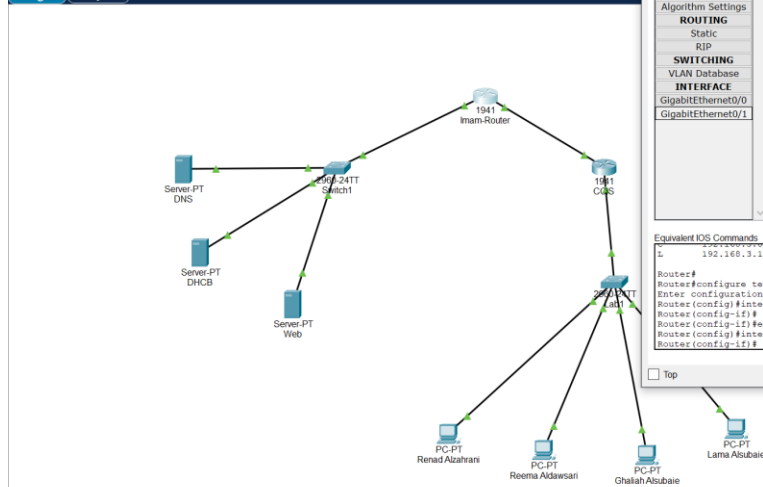




Cisco Packet Tracer - C:\Users\renad\Desktop\Renad.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1842, y: 705



Imam-Router

Physical Config CU Attributes

GLOBAL Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

Port Status

Bandwidth

Duplex

MAC Address

IP Configuration

IPv4 Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

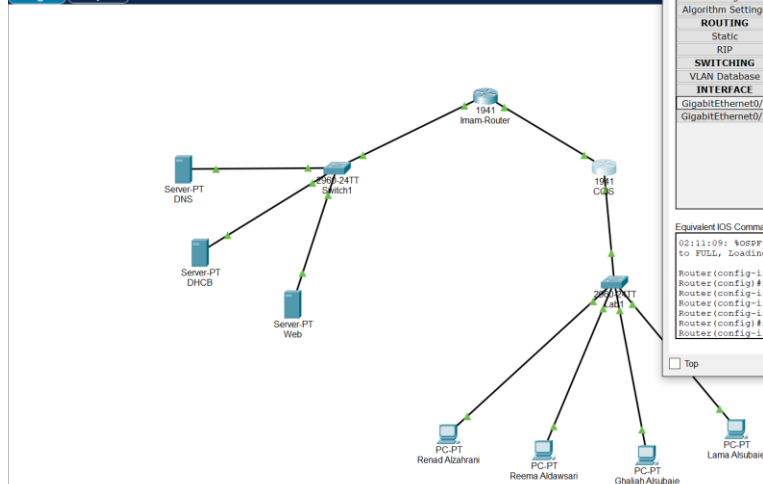
```
Router>configure terminal
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip address 192.168.3.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
```

CCIS:

Cisco Packet Tracer - C:\Users\renad\Desktop\Renad.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1919, y: 929



CCIS

Physical Config CU Attributes

GLOBAL Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

Port Status

Bandwidth

Duplex

MAC Address

IP Configuration

IPv4 Address

Subnet Mask

Tx Ring Limit

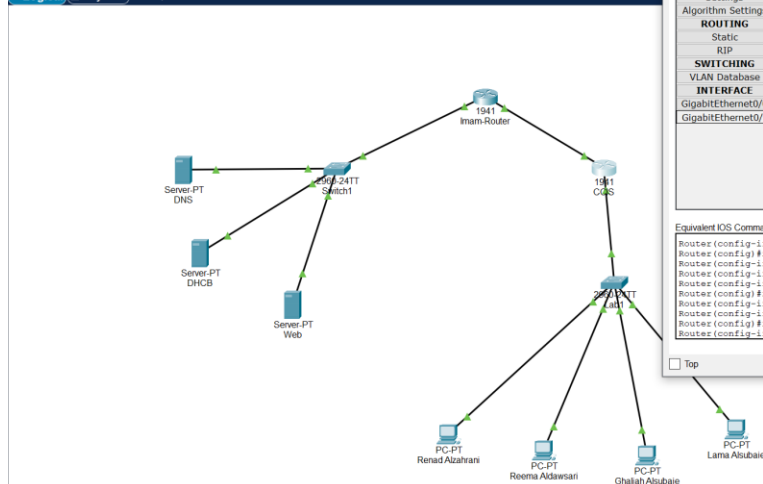
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Router(config-if)#no shutdown
Router(config-if)#exit
```

Cisco Packet Tracer - C:\Users\renad\Desktop\Renad.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1795, y: 1023



CCIS

Physical Config CU Attributes

GLOBAL Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

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Router(config-if)#no shutdown
Router(config-if)#exit
```



4. Testing [6 marks]

- a. From the PC called "Ibrahim" use ping to check connectivity with DNS. (the screenshots should show your file-name and pc name)

Scenario	Success / Failed	Screenshot (client)
Ping from Renad Alzahrani pc to DNS server.	Success	



- b. From the PC called "Student3" use browser to access "www.google.com". (screenshots should be clear and small)

Scenario	Success / Failed	Screenshot (client)
Browsing web server web page:www.google.com	Success	