Computer Networks | CS3001 | Assignment:02



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Assignment | CNET CISCO

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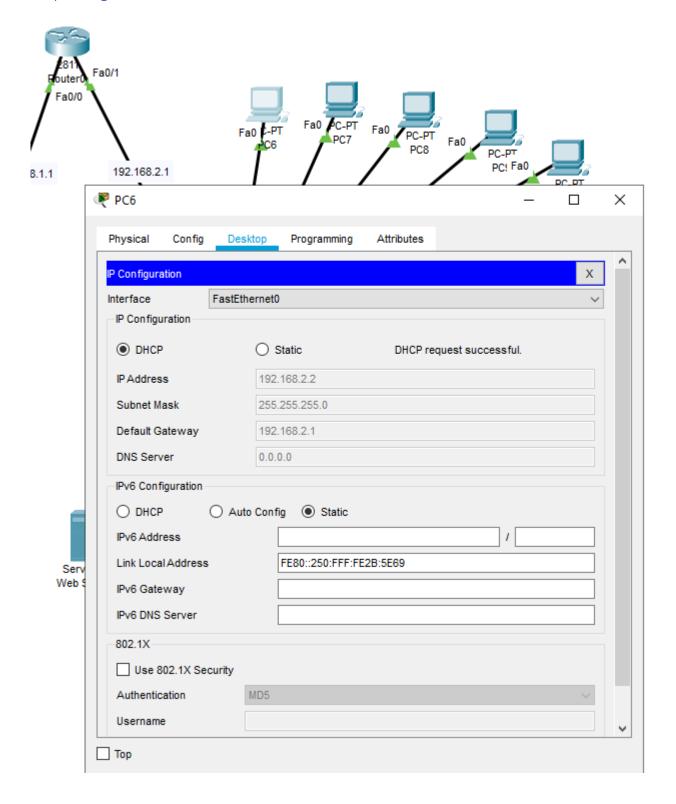
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Configuring Router:

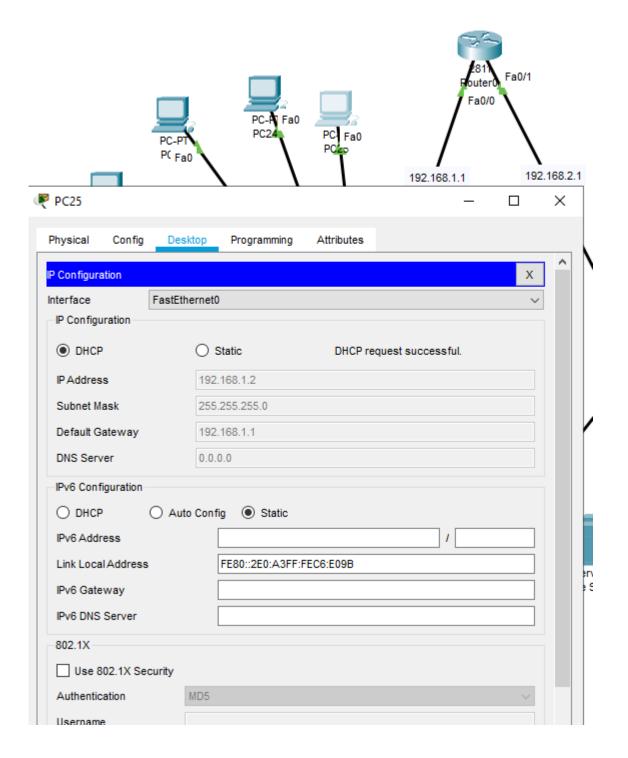
Press RETURN to get started!

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.1.1 255.255.255.0
Router(config-if) #no sh
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config) #int fa0/1
Router(config-if)#ip add 192.168.2.1 255.255.255.0
Router(config-if) #no sh
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Router(config-if)#exit
Router(config) #ip dhcp pool A
Router(dhcp-config) #network 192.168.1.0 255.255.255.0
Router(dhcp-config) #default 192.168.1.1
Router(dhcp-config)#exit
Router(config) #ip dhcp pool B
Router(dhcp-config) #network 192.168.2.0
% Incomplete command.
Router(dhcp-config) #network 192.168.2.0 255.255.255.0
Router(dhcp-config)#default 192.168.2.1
Router (dhcp-config) #exit
Router(config)#
```

Requesting IP on network B:



Requesting IP on Network A:



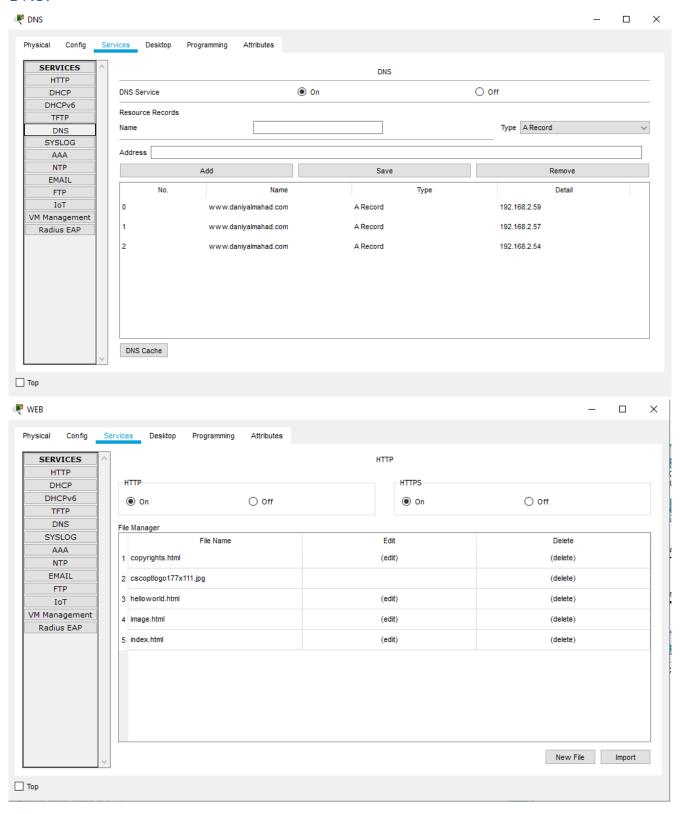
Pinging From Ground floor to Ground Floor and to 1st Floor:

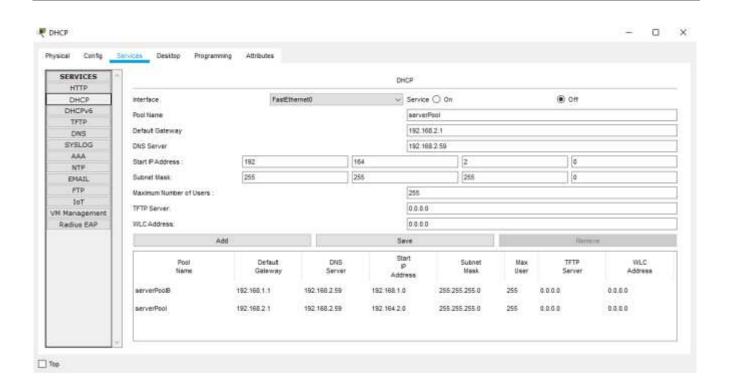
```
C:\>ipconfig
FastEthernet0 Connection: (default port)
  Link-local IPv6 Address.....: FE80::201:64FF:FE4C:53BD
  IP Address..... 192.168.1.10
  Subnet Mask..... 255.255.255.0
  Default Gateway..... 192.168.1.1
Bluetooth Connection:
  Link-local IPv6 Address....: ::
  IP Address..... 0.0.0.0
  Subnet Mask..... 0.0.0.0
  Default Gateway..... 0.0.0.0
C:\>ping 192.168.1.7
Pinging 192.168.1.7 with 32 bytes of data:
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time=11ms TTL=128
Ping statistics for 192.168.1.7:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 11ms, Average = 2ms
C:\>ping 192.168.2.14
Pinging 192.168.2.14 with 32 bytes of data:
Reply from 192.168.2.14: bytes=32 time=1ms TTL=127
Reply from 192.168.2.14: bytes=32 time<1ms TTL=127
Reply from 192.168.2.14: bytes=32 time=1ms TTL=127
Reply from 192.168.2.14: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.2.14:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
```

Pinging from 1st floor to 1st floor and to ground floor:

```
C:\>ipconfig
FastEthernet0 Connection: (default port)
  Link-local IPv6 Address..... FE80::20A:41FF:FEAD:1DD
  IP Address..... 192.168.2.5
  Subnet Mask..... 255.255.255.0
  Default Gateway..... 192.168.2.1
Bluetooth Connection:
  Link-local IPv6 Address....: ::
  IP Address..... 0.0.0.0
  Subnet Mask..... 0.0.0.0
  Default Gateway..... 0.0.0.0
C:\>ping 192.168.2.14
Pinging 192.168.2.14 with 32 bytes of data:
Reply from 192.168.2.14: bytes=32 time=3ms TTL=128
Reply from 192.168.2.14: bytes=32 time<1ms TTL=128
Reply from 192.168.2.14: bytes=32 time<1ms TTL=128
Reply from 192.168.2.14: bytes=32 time=2ms TTL=128
Ping statistics for 192.168.2.14:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 3ms, Average = 1ms
C:\>ping 192.168.1.10
Pinging 192.168.1.10 with 32 bytes of data:
Reply from 192.168.1.10: bytes=32 time=1ms TTL=127
Reply from 192.168.1.10: bytes=32 time=1ms TTL=127
Reply from 192.168.1.10: bytes=32 time<1ms TTL=127
Reply from 192.168.1.10: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.1.10:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
```

DNS:





VLAN:

Commands:

Config t

Hostname groundFloor

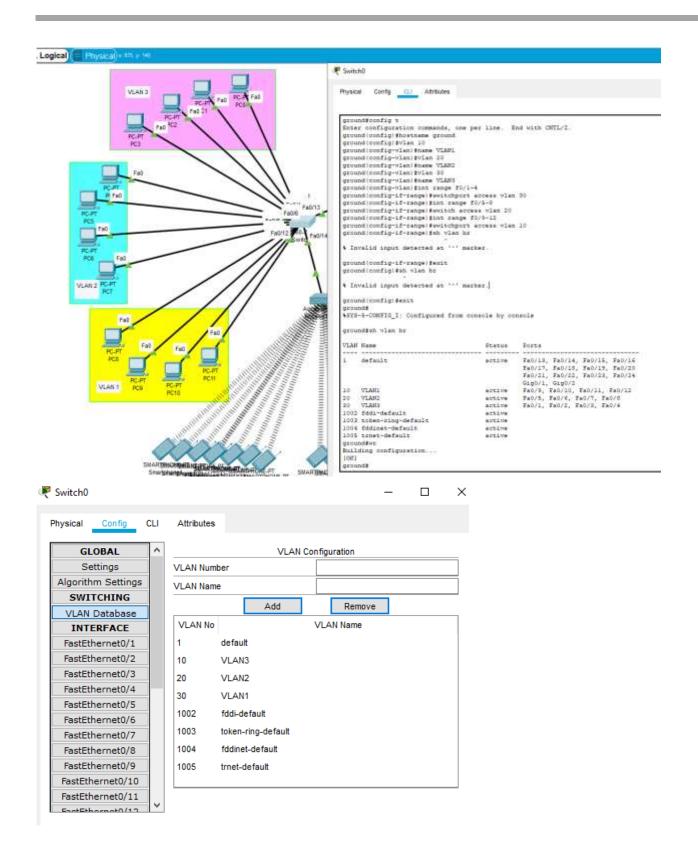
Vlan 10

Name department01

Int range f0/1-4

Switchport access vlan 10

wr



After pinging two different pcs from different vlans:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.6
Pinging 192.168.1.6 with 32 bytes of data:
Reply from 192.168.1.6: bytes=32 time=1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.6:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = Oms, Maximum = 1ms, Average = Oms
C:\>ping 192.168.1.6
Pinging 192.168.1.6 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
```

>Request timed out.

WEB Server:

