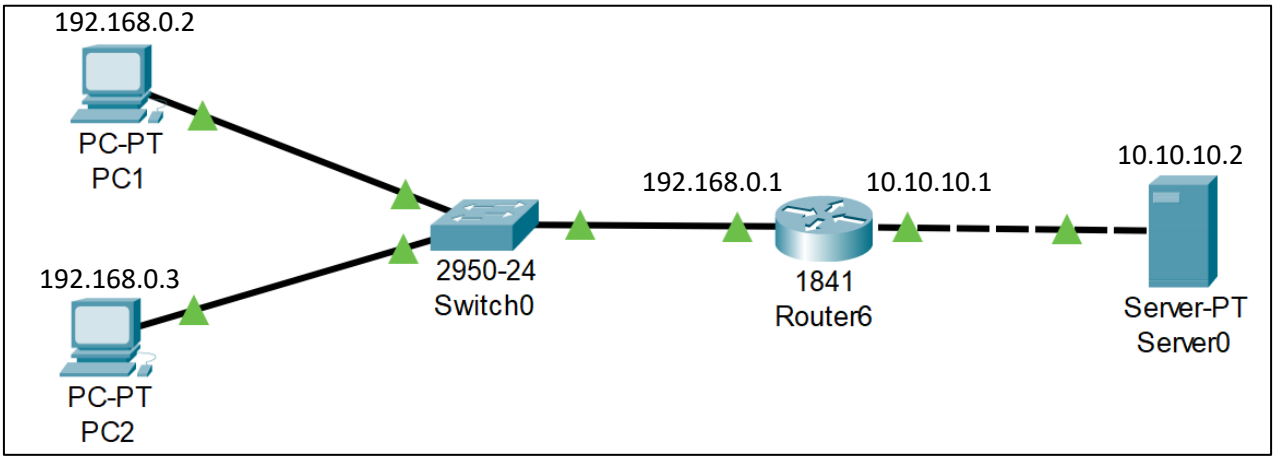
Assignment - 03

- **FTP Server Configuration:**

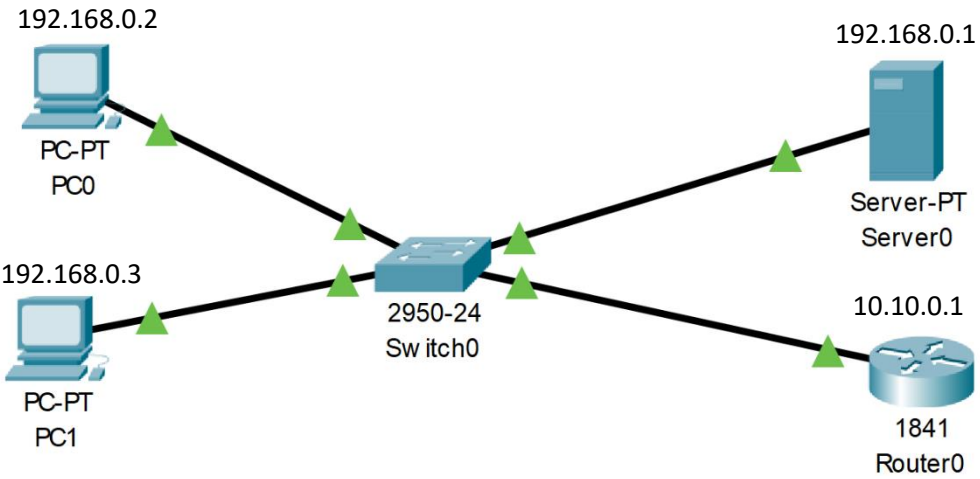
Steps:

1) Open Cisco Packet Tracer and select 2 End Devices (PC device), 1 Switch, 1 Router, 1 Server.
2) Now Connect all the devices using the auto connection. 
3) Then configure the IP addresses as per the diagram.



4) Now just wait for some time to let all the connection status turns green.
5) Now we have achieved a connection where a class C IP address is being translated to class A IP Address.
6) Go to one of the PC devices and on Desktop tab select CMD.
7) Now we need to check the connection to the server by `C:\>ping 10.10.10.2`
8) If reply is coming then it means the server is properly configured and connected.
9) Go to the Server → Services →FTP.
10) Put on the FTP service and give username and password and click on ADD.
11) Come back to PC device and open the CMD and type `C:\>ftp 10.10.10.2`
12) It will ask for username and password. Provide the username and password configured earlier.
13) Once the connection is established exit rom the CMD and go to Text Editor and make a new text file.
14) Save the new text file and return to cmd and type `ftp>put filenme.txt`
15) This will send the text file from the PC device (192.168.0.2) to Server (10.10.10.2).
16) Now to verify that the file has been transferred to the server, so type `ftp>dir`
17) You will see your Filename in the list.
18) Now to get a file from server to PC type `ftp>get filename.txt`
19) Now exit from FTP type ctrl+C, then type dir to check that the file is there in the PC or not.
20) So we have successfully send and got a file from a server using FTP protocol.

- **DHCP Server Configuration:**
  1) Open Cisco Packet Tracer and select 2 End Devices (PC device), 1 Switch, 1 Router, 1 Server.
  2) Now Connect all the devices using the auto connection.
  3) Then configure the IP addresses as per the diagram.



  4) Now just wait for some time to let all the connection status turns green.
  5) Now go to the server → Desktop → IP Configuration and set the IP 192.168.0.1.
  6) Go to Services → DHCP and set Default Gateway 192.168.0.1 and DNS Server 10.0.0.1.
  7) Set the Start IP 192.168.0.0 and Max Users 256
  8) Now go to every PC device → Desktop → IP Configuration and set it to DHCP.
  9) Now all the PC will have a DHCP address.