After every configuration do not forget to do *ctrl+z* to get out of the conf-if.

Task 01 - Configuring DHCP

1. Go to R2 then CLI
   a. Enable
   b. Configure t
   c. Ip dhcp excluded-address 192.168.10.1 192.168.10.10
   d. Ip dhcp excluded-address 192.168.30.1 192.168.30.10
   e. ip dhcp pool R1-LAN
   f. network 192.168.10.0 255.255.255.0
   g. default-router 192.168.10.1
   h. dns-server 192.168.20.254
   i. ip dhcp pool R3-LAN
   j. network 192.168.30.0 255.255.255.0
   k. default-router 192.168.30.1
   l. dns-server 192.168.20.254
2. Now go to R1 then CLI
   a. Enable
   b. Configure t
   c. interface gigabitEthernet 0/0
   d. ip helper-address 10.1.1.2
3. Now go to R3 then CLI
   a. Enable
   b. Configure t
   c. interface gigabitEthernet 0/0
   d. ip helper-address 10.2.2.2
4. Now go to pc1 and then IP configuration and turn on DHCP
5. Do the same thing for PC2 also.
6. Now again go to R2
   a. Enable
   b. Configure t
   c. interface gigabitEthernet 0/1
   d. Ip address dhcp
   e. No shut
   f. After that wait a few min to get this message.

   ```
   R2(config-if)#no shutdown
   R2(config-if)#
   %DHCP-6-ADDRESS_ASSIGN: Interface GigabitEthernet0/1 assigned DHCP address 209.165.200.231,
   mask 255.255.255.224, hostname R2


   %DUAL-5-NBRCHANGE: IP-EIGRP 1: Neighbor 209.165.200.225 (GigabitEthernet0/1) is up: new
   adjacency
   ```
   g.
   h. This will complete the assignment and after that everything is to just verify.
   i. Now press ctrl+z to go back to the R2 router panel then do this command.
      show ip interface brief

Task 02 - Configuring DHCP Using GUI

1. Go to DHCP and change
    a.   Pool name - R1_LAN
    b.   Def gateway - 192.168.50.1
    c.   DNS - 192.168.60.254
    d.   Start ip - 192.168.50.11
    e.   Subnet mask - 255.255.255.0
2. Now go to the R1 and do the command
    a.   Enable
    b.   Configure t
    c.   interface gig 0/0
    d.   ip helper-address 192.168.60.253
3. Wait for few minutes and turn on the Now go to pc1 and turn on DHCP