Command Helper

Job	Command
Show IP address brief	**R0#sh ip int br**
Close domain lookup	**Ctrl+shift+6 (ctrl+^)**

Router0

Task	Command
1-Hostname	Router(config)#hostname R0
2-Domain	R0(config)#ip domain-name ee462.kau.edu.sa
3-Create user	R0(config)#username user pass 123456
4- set console login local	??
5- set enable secret	R0(config)#enable secret 123456
6- set IP address and enable interface	R0(config)#int gig0/0 R0(config-if)#ip address 10.10.10.1 255.255.255.252 R0(config-if)#no shutdown R0(config-if)#exit R0(config)#int gig1/0 R0(config-if)#ip address 10.10.12.2 255.255.255.252 R0(config-if)#no shutdown R0(config-if)#exit R0(config)#int gig2/0 R0(config-if)#ip address 192.168.10.254 255.255.255.0 R0(config-if)#no shutdown R0(config-if)#exit
7- save configuration	R0#wr mem
8- restart Router0	??
9- Test **PC0 --- R0**	C:\>ping ??

10- configure PC0 **IP Address:** **192.168.10.1/24** **Default Gateway:** **192.168.10.254**	IPv4 Address	192.168.10.1
	Subnet Mask	255.255.255.0
	Default Gateway	192.168.10.254
	DNS Server	0.0.0.0
11- configure Switch0 **IP Address:** **192.168.10.200/24**	Switch(config)#int vlan 1 Switch(config-if)#ip add 192.168.10.200 255.255.255.0 Switch(config-if)#no shut Switch(config-if)#exit	
##- Static routing	R0(config)#ip route 192.168.30.0 255.255.255.0 10.10.12.1 1 R0(config)#ip route 192.168.20.0 255.255.255.0 10.10.10.2 1	

Router1

Task	Command
1-Hostname	Router(config)#hostname R1
2-Domain	R1(config)#ip domain-name ee462.kau.edu.sa
3-Create user	R1(config)#username user pass 123456
4- set console login local	??
5- set enable secret	R1(config)#enable secret 123456
6- set IP address and enable interface	R1(config)#int gig0/0 R1(config-if)#ip address 10.10.11.1 255.255.255.252 R1(config-if)#no shutdown R1(config-if)#exit R1(config)#int gig1/0 R1(config-if)# ip address 10.10.10.2 255.255.255.252 R1(config-if)#no shutdown R1(config-if)#exit R1(config)#int gig2/0 R1(config-if)#ip address 192.168.20.254 255.255.255.0 R1(config-if)#no shutdown R1(config-if)#exit
7- save configuration	R1#wr mem
8- restart Router0	??
9- Test **PC0 --- R0**	C:\>ping ??

10- configure PC0 IP Address: 192.168.10.1/24 Default Gateway: 192.168.10.254	IPv4 Address	192.168.20.1
	Subnet Mask	255.255.255.0
	Default Gateway	192.168.20.254
	DNS Server	0.0.0.0
11- configure Switch0 IP Address: 192.168.10.200/24	Switch(config)#int vlan 1 Switch(config-if)#ip add 192.168.20.200 255.255.255.0 Switch(config-if)#no shut Switch(config-if)#exit	
##- Static routing	R1(config)#ip route 192.168.30.0 255.255.255.0 10.10.11.2 1 R1(config)#ip route 192.168.10.0 255.255.255.0 10.10.10.1 1	

Router2

Task	Command
1-Hostname	Router(config)#hostname R2
2-Domain	R2(config)#ip domain-name ee462.kau.edu.sa
3-Create user	R2(config)#username user pass 123456
4- set console login local	??
5- set enable secret	R1(config)#enable secret 123456
6- set IP address and enable interface	R2(config)#int gig0/0 R2(config-if)#ip address 10.10.12.1 255.255.255.252 R2(config-if)#no shutdown R2(config-if)#exit R2(config)#int gig1/0 R2(config-if)# ip address 10.10.11.2 255.255.255.252 R2(config-if)#no shutdown R2(config-if)#exit R2(config)#int gig2/0 R2(config-if)#ip address 192.168.30.254 255.255.255.0 R2(config-if)#no shutdown R2(config-if)#exit
7- save configuration	R1#wr mem
8- restart Router0	??
9- Test PC0 --- R0	C:\>ping ??

10- configure PC0 **IP Address:** **192.168.10.1/24** **Default Gateway:** **192.168.10.254**	IPv4 Address 192.168.30.1 Subnet Mask 255.255.255.0 Default Gateway 192.168.30.254 DNS Server 0.0.0.0
11- configure **Switch0** **IP Address:** **192.168.10.200/24**	Switch(config)#int vlan 1 Switch(config-if)#ip add 192.168.30.200 255.255.255.0 Switch(config-if)#no shut Switch(config-if)#exit
##- Static routing	R2(config)#ip route 192.168.20.0 255.255.255.0 10.10.11.1 1 R2(config)#ip route 192.168.10.0 255.255.255.0 10.10.12.2 1