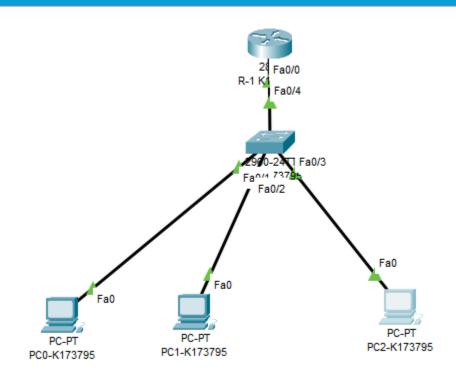
Question no 1:

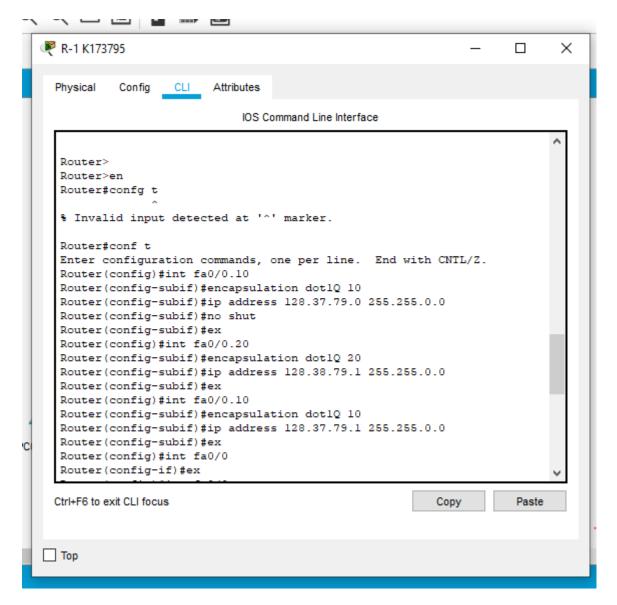


Topology

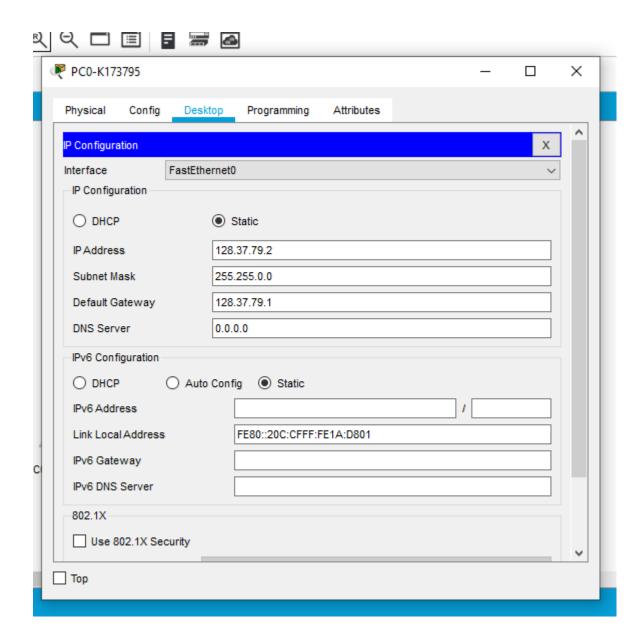
```
Switch(config-if)#switchport access vlan 10
Switch(coint fa0/lintswitchport access vlan 10switchport access vlan
10
Switch(coint fa0/2intswitchport access vlan 10switchport access vlan
Switch(config-if)#ini
Switch(config-if)#iniint fa0/4
Switch(config-if) #switchport mode trunk
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,
changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,
changed state to up
⊕ ® ♀ □ 🔳 🖥 🚟 🔼
       ₹ S-5 K173795
                                                                         \times
                               Attributes
         Physical
                  Config
                        CLI
                                   IOS Command Line Interface
          Switch>en
          Switch#conf t
          Enter configuration commands, one per line. End with CNTL/Z.
          Switch(config) #vlan 10
          Switch(config-vlan) #vlvvlan 20
          Switch(config-vlan)#ex
          Switch(config) #int fa0/1
          Switch(config-if) #switchport access vlan 10
          Switch(coint fa0/lintswitchport access vlan 10switchport access vlan
          Switch(coint fa0/2intswitchport access vlan 10switchport access vlan
          Switch(config-if)#ini
          Switch(config-if)#iniint fa0/4
          Switch(config-if) #switchport mode trunk
          Switch(config-if)#
          %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,
          changed state to down
          %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,
    PC
          Switch(config-if) #switchport trunk allowed vlan 10,20
         Ctrl+F6 to exit CLI focus
                                                              Сору
                                                                         Paste
```

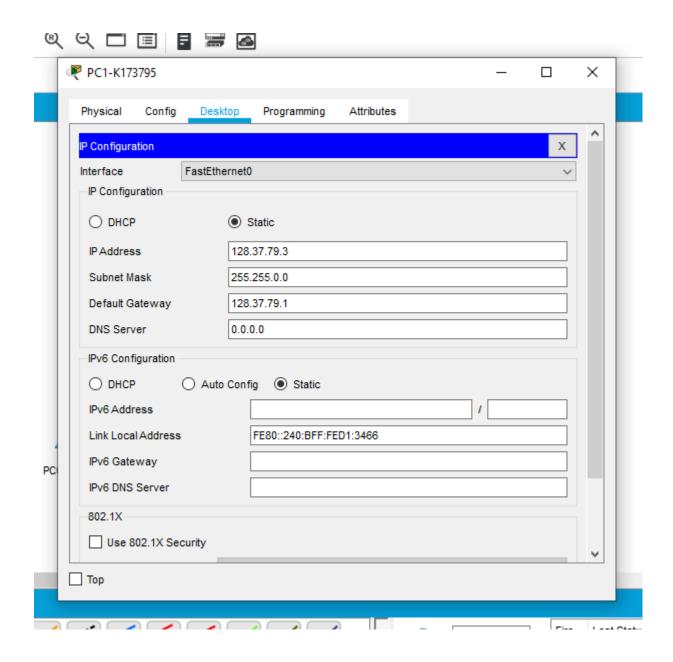
Switch Configuration

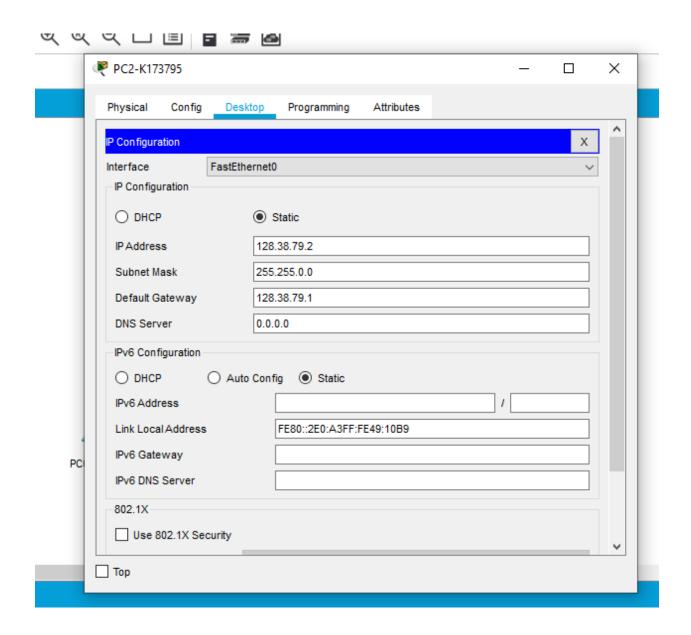
Top



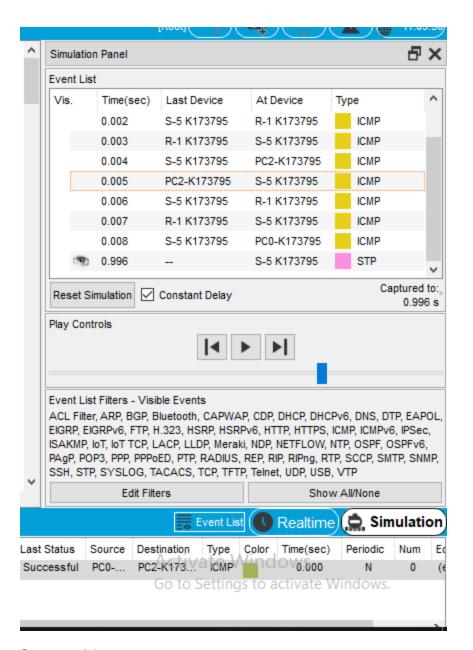
Router Configuration







PC config with IP

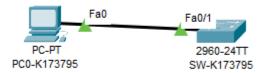


Success Message

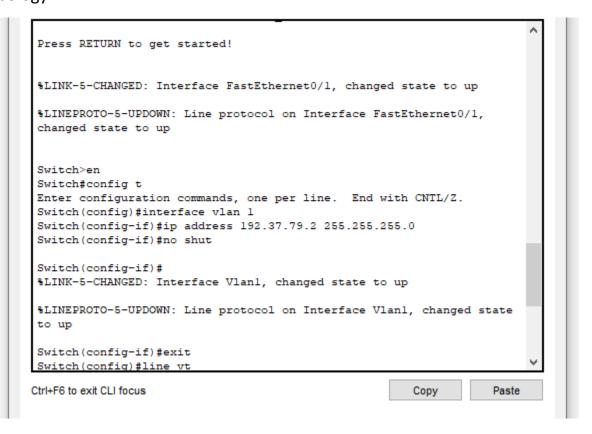
Question no 2:

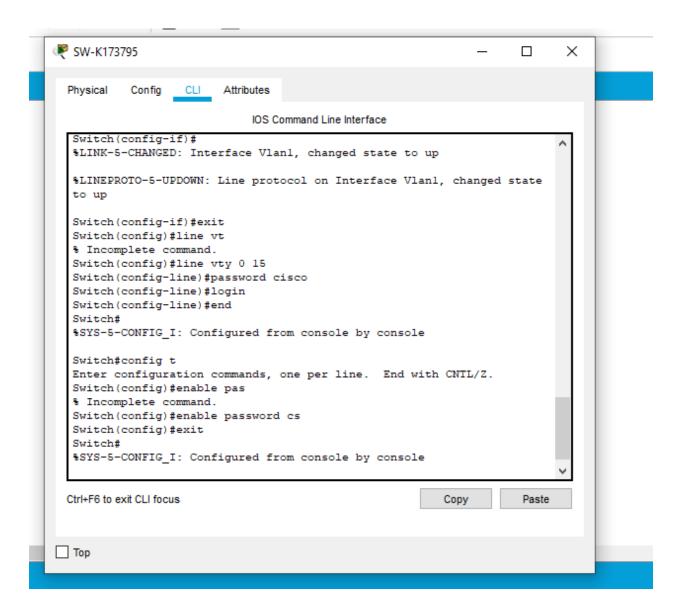
Only theory

Question no 3:

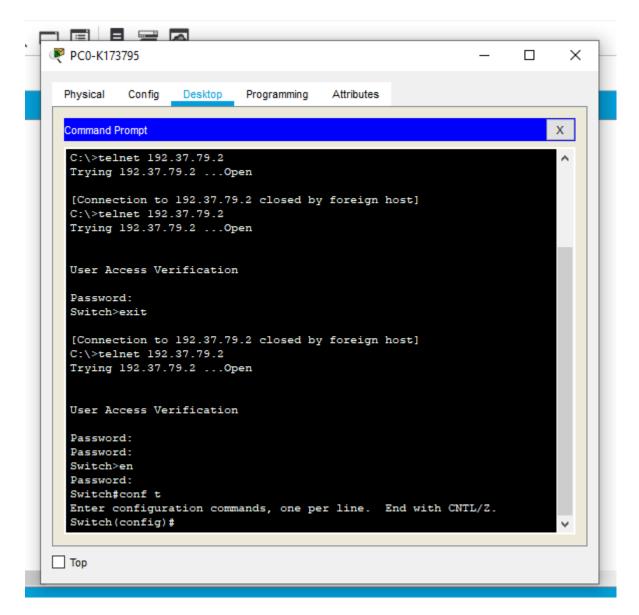


Topology

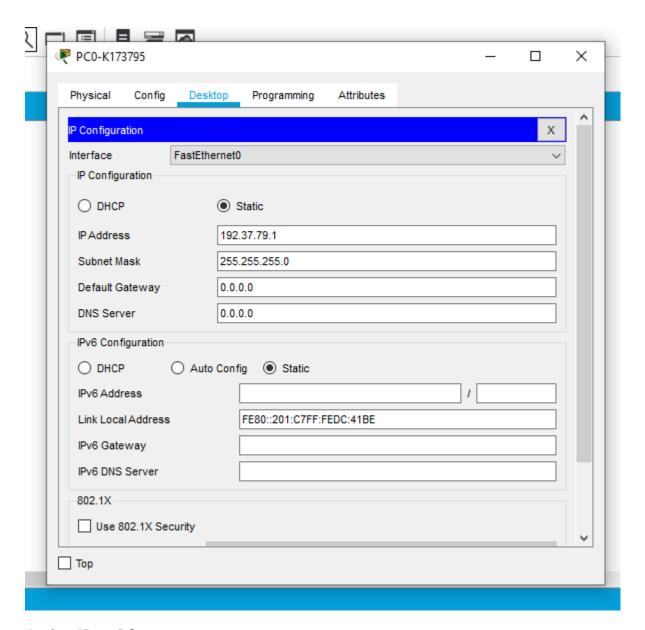




Switch Configuration



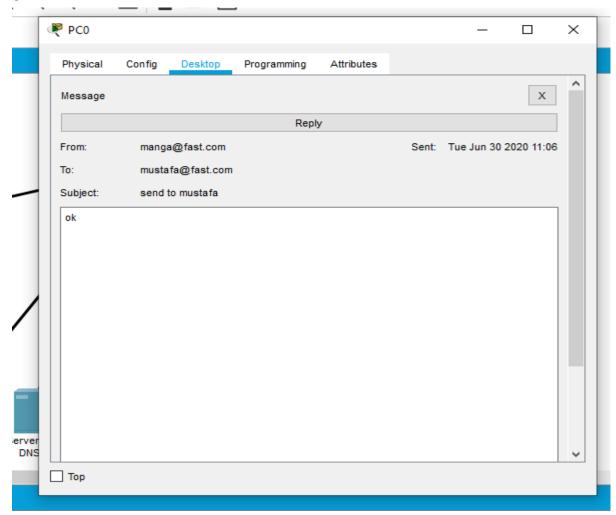
PC telnet



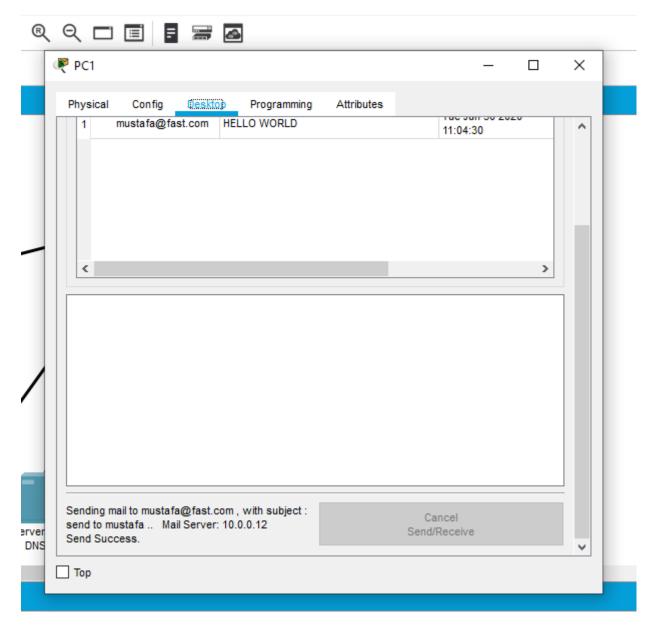
Assign IP to PC

Question no 4:

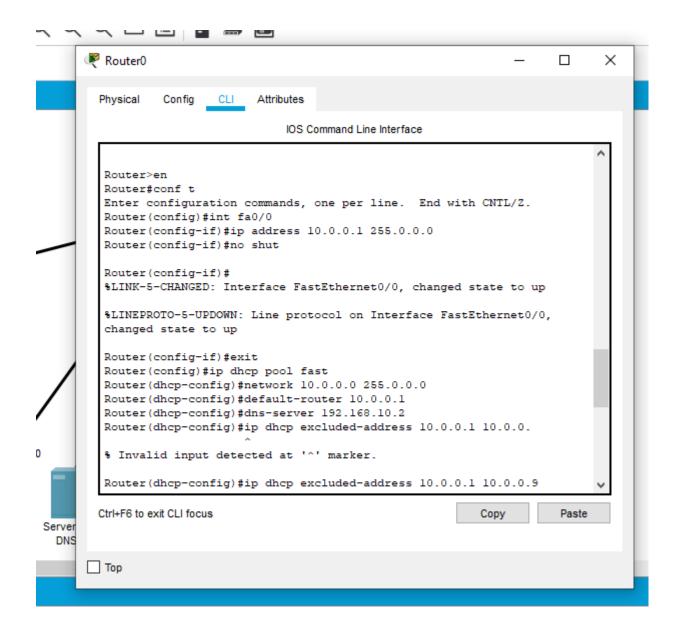
SMTP:



Emai Rcv.

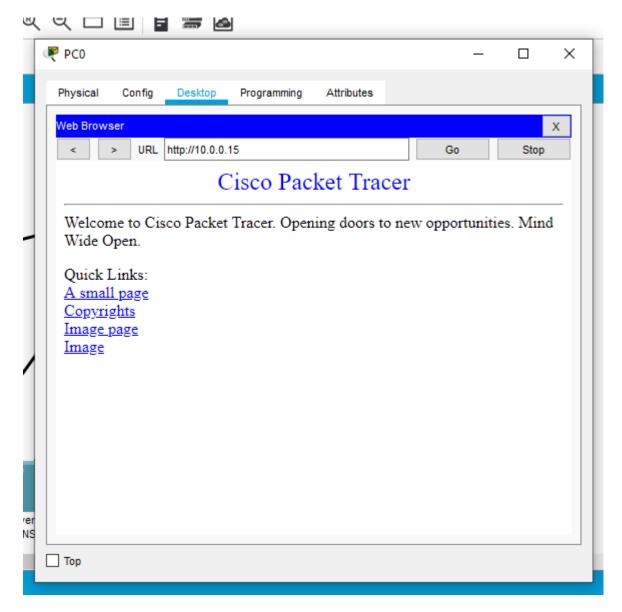


Email Snd.

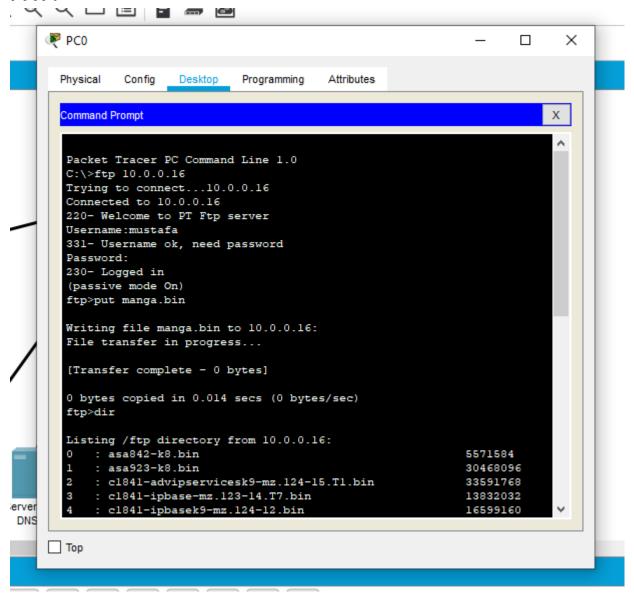


Route dhcp config

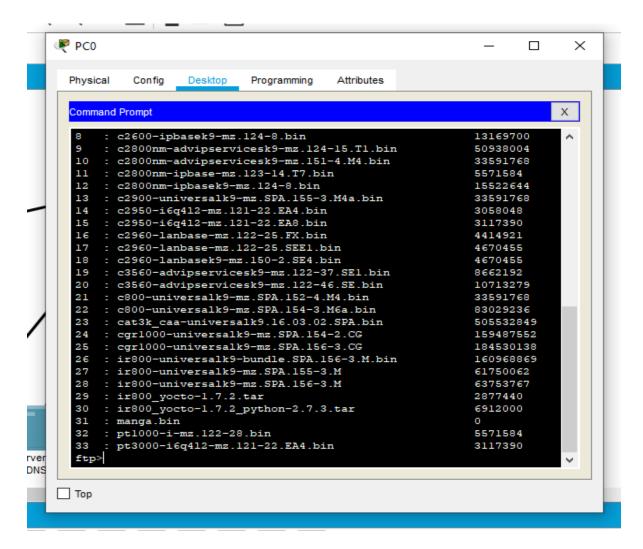
HTTP:



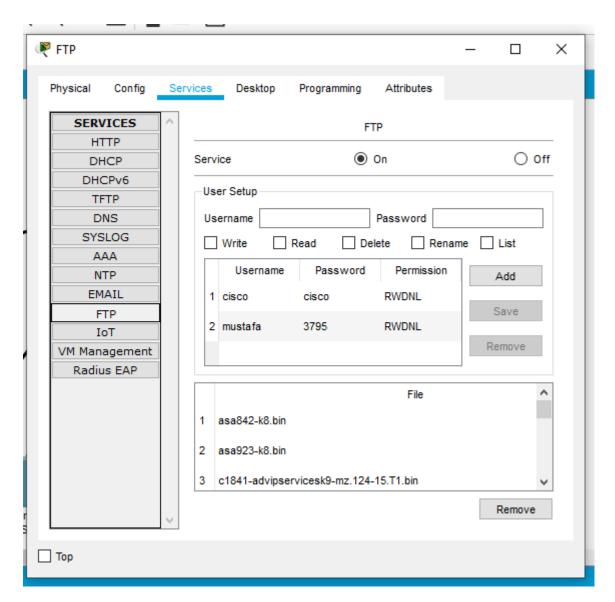
FTTP:



Put file

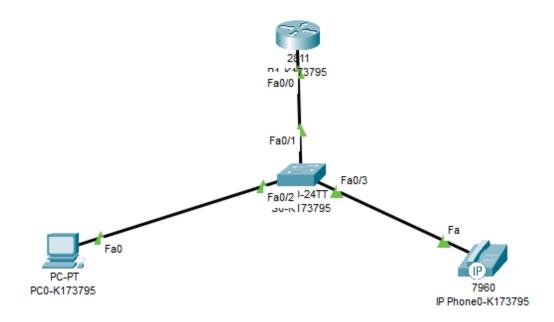


Check File in dir

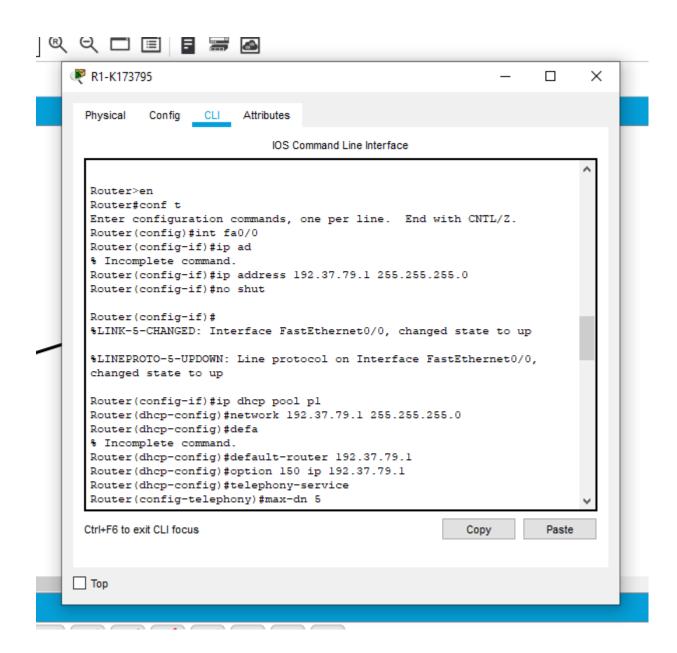


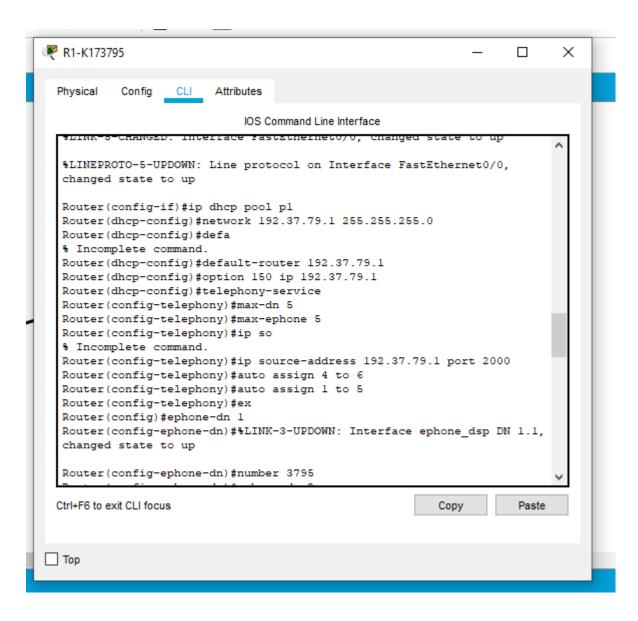
Setup Server

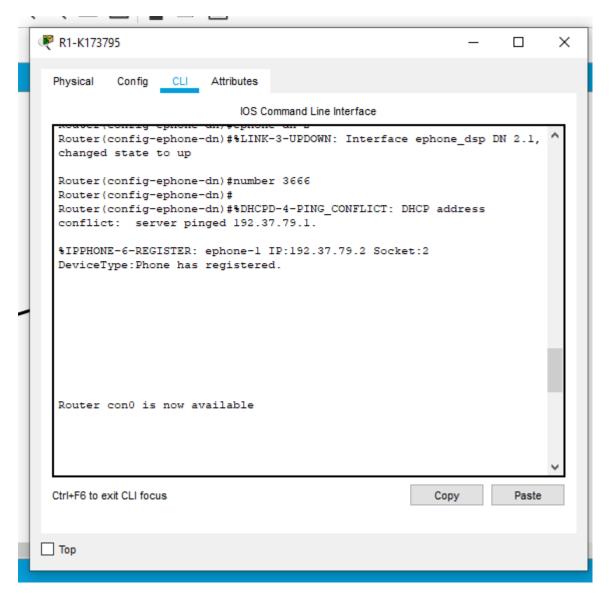
Question no 5:



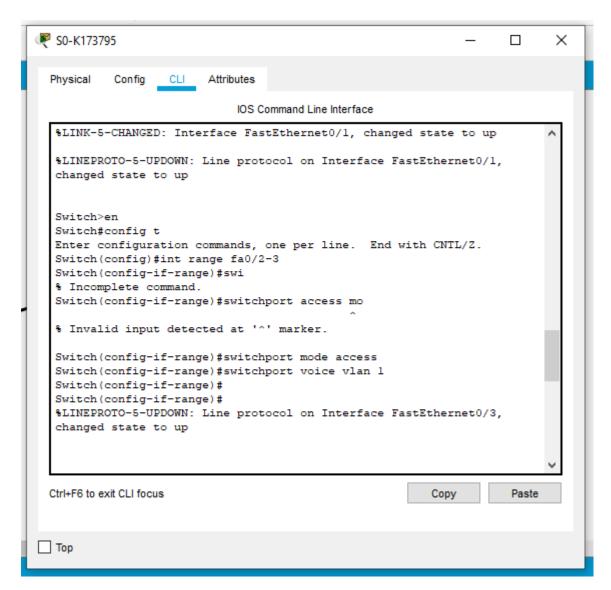
Topology



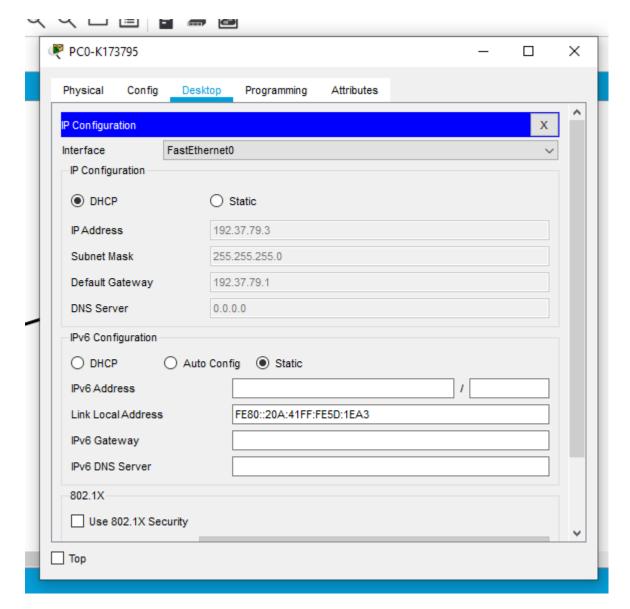




Router Config



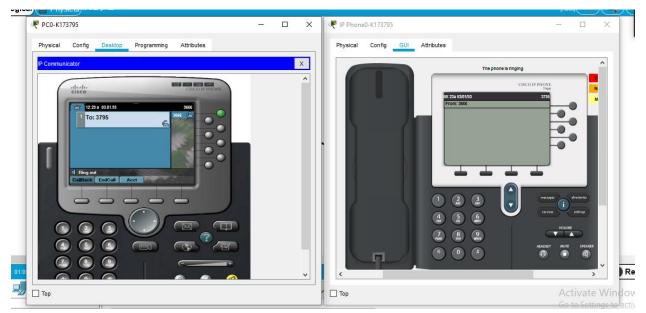
Switch Config



PC DHCP

Phone call

Phone call



Phone Call

Question no 7:

	17k-3795
	Question 7(a)
1	
	175. 37. 95/16
	50 Submets . Require
	borrow 6 bits for so submets
	26 = 64 Fotal sub-
	2 = 1024 Potal host
	26 = 64 Fotal submets. 20 = 1024 Potal host 20-2 = 1022, usable host
	(b) 199. 37.95.0/24
-	
1	4 floors = 4 gulgnets.
	last 2 digit of our muorber; 95
	Network 1:
	sequired host = 45
	- Johal host = 95 + 7 = 97
	27 - 128 host
	37 95
	199. 3. \$2.0 / 25
	199. 32. 127/25 - 255.255.255.128
	199 - 3 . 28-1 27/25 - 255.255.255.128

Network 2; 1991. 37. 95. 122 /925 199. 37.95. 255 /25 -> 255.255.255.128 Network 3: 199-37-96. 1370/25 199. 37. 96. 127 21 -> 255.255.255. 172 Network 4: 199. 37. 96.128 /25 to 199-37.96.255/25 -> 25.251.255.120

Theory of Question 1 2 3 5

150	
*	17K-3795
	m2 f
	Date
	Gustion 1:
	Two different network is connected with
	Switch Com to be come in
	Switch so we have to connect with
	Vital assign IP. and perform
	MATONIC. VLAN Reduce the
	incidence of Collosin.
	Question 2=
	OSPF is well a
-	OSPF is used because the
	the network is expected to extend
	ace OSP+ closest not broadcust
	CIKE SID VI SI RIV V2 OFFER PULL OF
	see. St boodad cust only when they
	Is any charge in network.
	0 0 0
	Question 3.
	lade in Activity
	We use between because energyfed
- 3	secure. telnet is layer 2.
- 3	protocol. (transport).
	Question S.
	- Because Vo IP enable people to use
	internet as the transmission medium for
	Calls.
	- Duta link layer