Code :

Router0 Configuration:

Router>enable

Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface Serial0/0/0

Router(config-if)#ip address 10.0.0.1 255.255.255.252

Router(config-if)#clock rate 128000

Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down

Router(config-if)#

Router(config-if)#exit

Router(config)#interface fastEthernet 0/0

Router(config-if)#ip address 192.168.10.1 255.255.255.0

Router(config-if)#no shutdown

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)#

Router(config)#ip route 192.168.20.0 255.255.255.0 10.0.0.2

Router(config)#ip route 10.0.0.4 255.255.255.252 10.0.0.2

Router(config)#ip route 192.168.30.0 255.255.255.0 10.0.0.2

Router(config)#exit

Router#

Router#copy running-config start up-config

Destination filename [startup-config]?

Building configuration…

[OK]

Router#exit

Router1 Configuration:

Router>enable

Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface Serial0/1/0

Router(config-if)#ip address 10.0.0.2 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

Router(config-if)# interface Serial0/0/0

Router(config-if)#ip address 10.0.0.5 255.255.255.252

Router(config-if)#clock rate 72000

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

Router(config-if)# interface fastEthernet

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state

to

up

Router(config-if)#interface fastEthernet 0/0

Router(config-if)#ip address 192.168.20.1 255.255.255.0

Router(config-if)#no shutdown

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)#

Router(config)#ip route 192.168.10.0 255.255.255.0 10.0.0.1

Router(config)#ip route 192.168.30.0 255.255.255.0 10.0.0.6

Router(config)#exit

Router#

%SYS-5-CONFIG\_I: Configured from console by console

Router#copy running-config start up-config

Destination filename [startup-config]?

Building configuration…

[OK]

Router#exit

Router>en

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#access-list ?

<1-99> IP standard access list

<100-199> IP extended access list

Router(config)#access-list 1 ?

deny Specify packets to reject

permit Specify packets to forward

remark Access list entry comment

Router(config)#access-list 1 deny 192.168.10.0

Router(config)#access-list 1 ?

deny Specify packets to reject

permit Specify packets to forward

remark Access list entry comment

Router(config)#access-list 1 deny 192.168.10.0 ?

A.B.C.D Wildcard bits

<cr>

Router(config)#access-list 1 deny 192.168.10.0 0.0.0.255 ?

<cr>

Router(config)#access-list 1 deny 192.168.10.0 0.0.0.255

Router(config)#access-list 1 permit ?

A.B.C.D Address to match

any Any source host

host A single host address

Router(config)#access-list 1 permit any

Router(config)#interface fastEthernet 0/0

Router(config-if)#ip access-group 1 ?

in inbound packets

out outbound packets

Router(config-if)#ip access-group 1 out

Router(config-if)#

Router(config-if)#exit

Router#show access-lists

Standard IP access list 1

10 deny host 192.168.10.0

20 deny 192.168.10.0 0.0.0.255

30 permit any

Router2 Configuration:-

Router>enable

Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface Serial0/0/0

Router(config-if)#ip address 10.0.0.6 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#interface fastEthernet 0/0

Router(config-if)#ip address 192.168.30.1 255.255.255.0

Router(config-if)#no shutdown

%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)#ip route 192.168.20.0 255.255.255.0 10.0.0.5

Router(config)#ip route 10.0.0.0 255.255.255.252 10.0.0.5

Router(config)#ip route 192.168.10.0 255.255.255.0 10.0.0.5

Router(config)#exit

Router#

%SYS-5-CONFIG\_I: Configured from console by console

Router#copy running-config start up-config

Destination filename [startup-config]?

Building configuration…

[OK]

Router#exit