Izaan Mohtashim

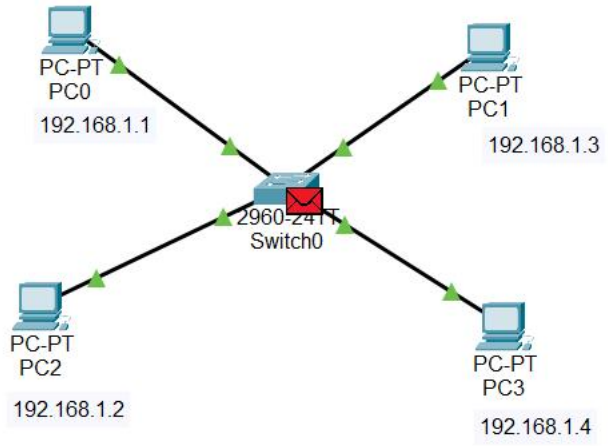
P20-0613

Sec 5A

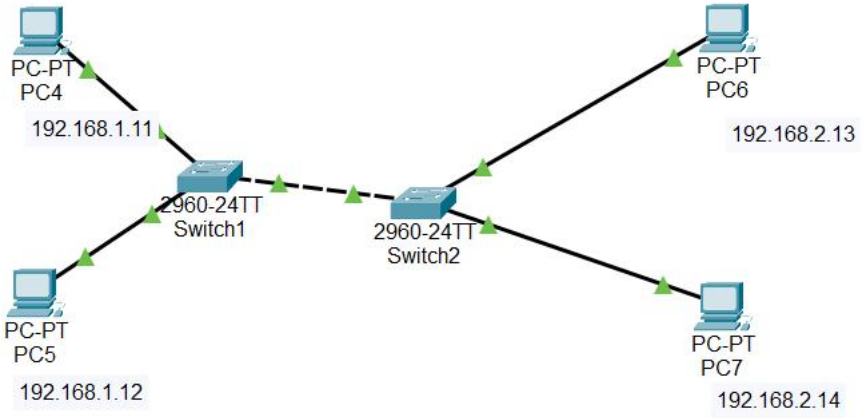
Computer Networks

LAB TASK 3

Task 1


PC-PT
PC0
192.168.1.1
PC-PT
PC1
192.168.1.3
2960-24TT
Switch0
PC-PT
PC2
192.168.1.2
PC-PT
PC3
192.168.1.4

Task 2


PC-PT
PC4
192.168.1.11
PC-PT
PC6
192.168.2.13
2960-24TT
Switch1
2960-24TT
Switch2
PC-PT
PC5
192.168.1.12
PC-PT
PC7
192.168.2.14

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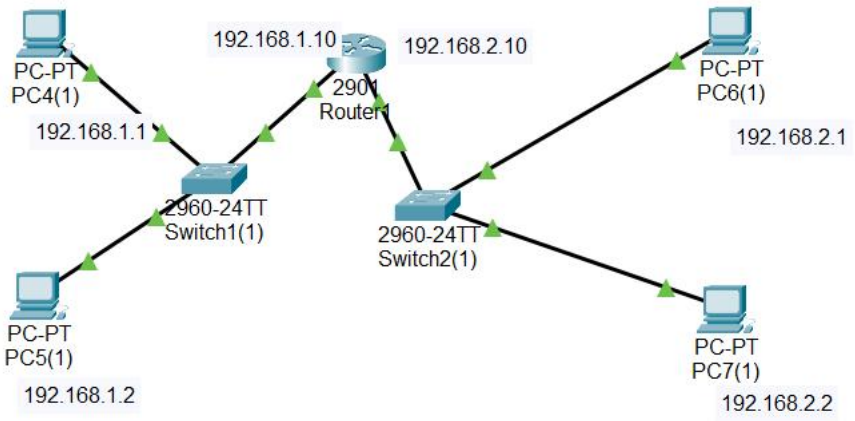
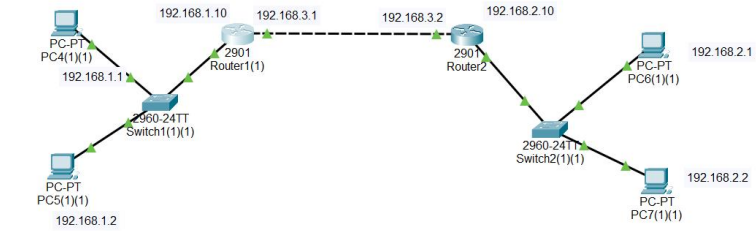
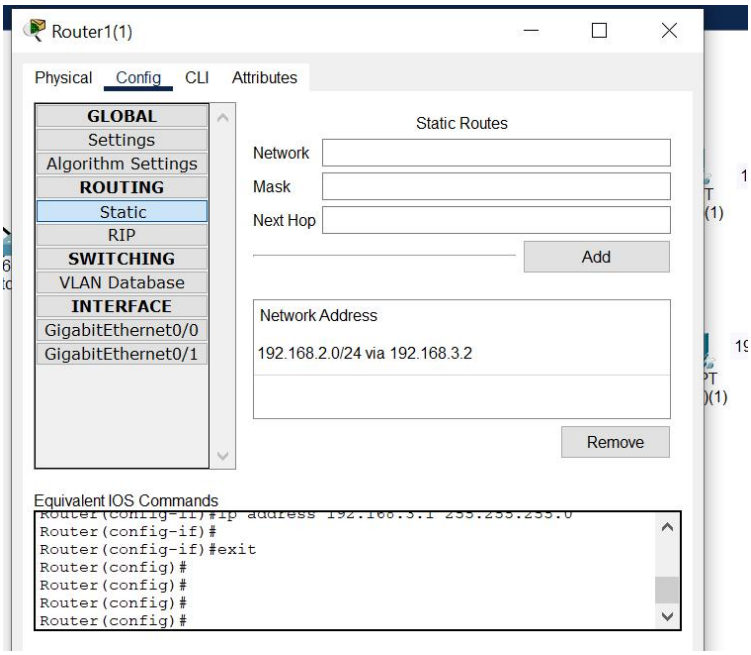
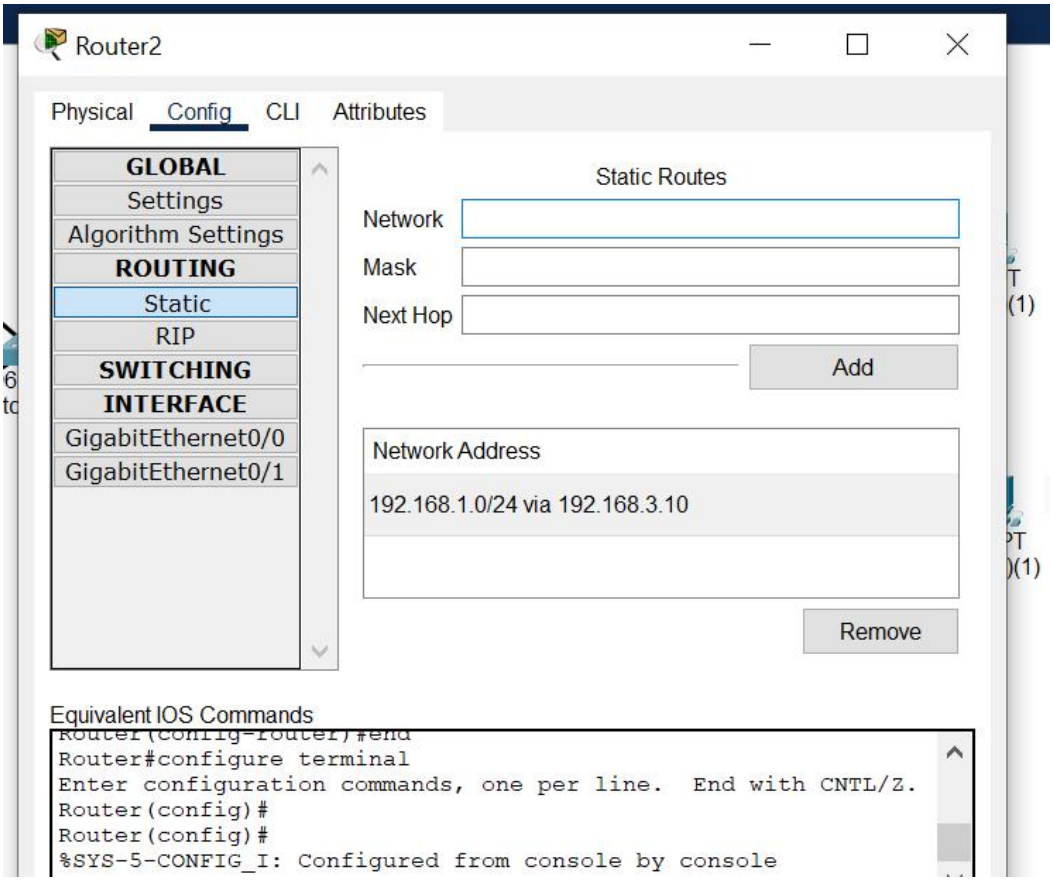
Task 3

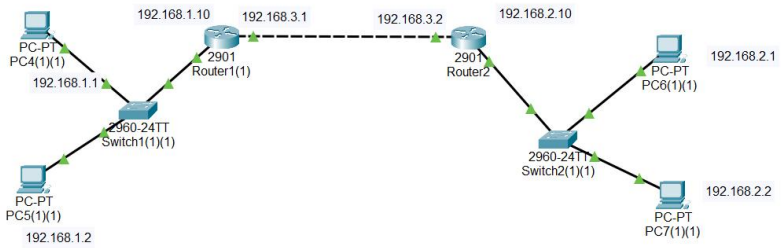

192.168.1.10
192.168.2.10
PC-PT
PC4(1)
2901
Router1
PC-PT
PC6(1)
192.168.1.1
192.168.2.1
2960-24TT
Switch1(1)
2960-24TT
Switch2(1)
PC-PT
PC5(1)
PC-PT
PC7(1)
192.168.1.2
192.168.2.2

Task 4


192.168.1.10
192.168.3.1
192.168.3.2
192.168.2.10
PC-PT
PC4(1)(1)
2901
Router1(1)
2901
Router2
192.168.2.1
192.168.1.1
PC-PT
PC6(1)(1)
2960-24TT
Switch1(1)(1)
2960-24TT
Switch2(1)(1)
PC-PT
PC5(1)(1)
192.168.2.2
PC-PT
PC7(1)(1)
192.168.1.2


Router1(1)
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
GigabitEthernet0/0
GigabitEthernet0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
192.168.2.0/24 via 192.168.3.2
Remove
Equivalent IOS Commands
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#
Router(config)#
Router(config)#

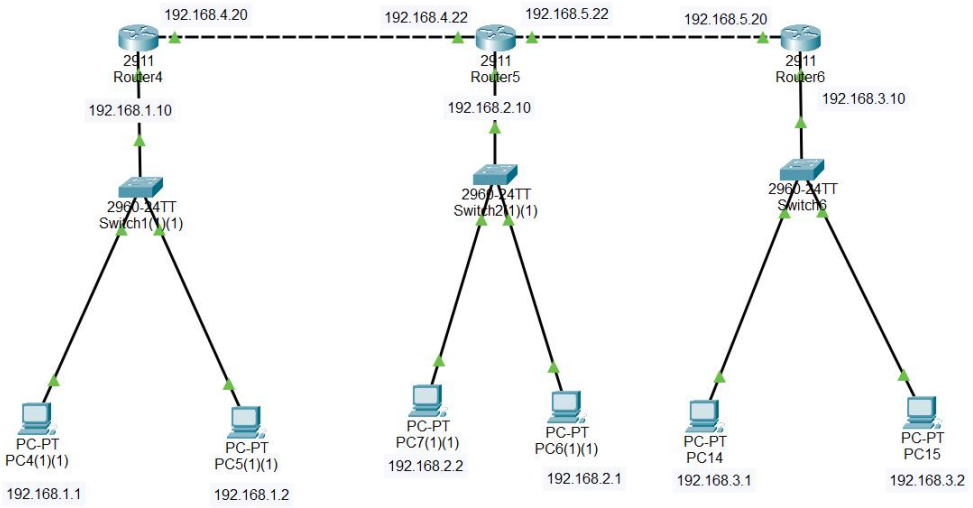

Router2
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
GigabitEthernet0/0
GigabitEthernet0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
192.168.1.0/24 via 192.168.3.10
Remove
Equivalent IOS Commands
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
%SYS-5-CONFIG_I: Configured from console by console


192.168.1.10
192.168.3.1
192.168.3.2
192.168.2.10
PC-PT
PC4(1)(1)
2901
Router1(1)
2901
Router2
PC-PT
PC6(1)(1)
192.168.2.1
192.168.1.1
2960-24TT
Switch1(1)(1)
2960-24TT
Switch2(1)(1)
PC-PT
PC5(1)(1)
192.168.1.2
PC-PT
PC7(1)(1)
192.168.2.2

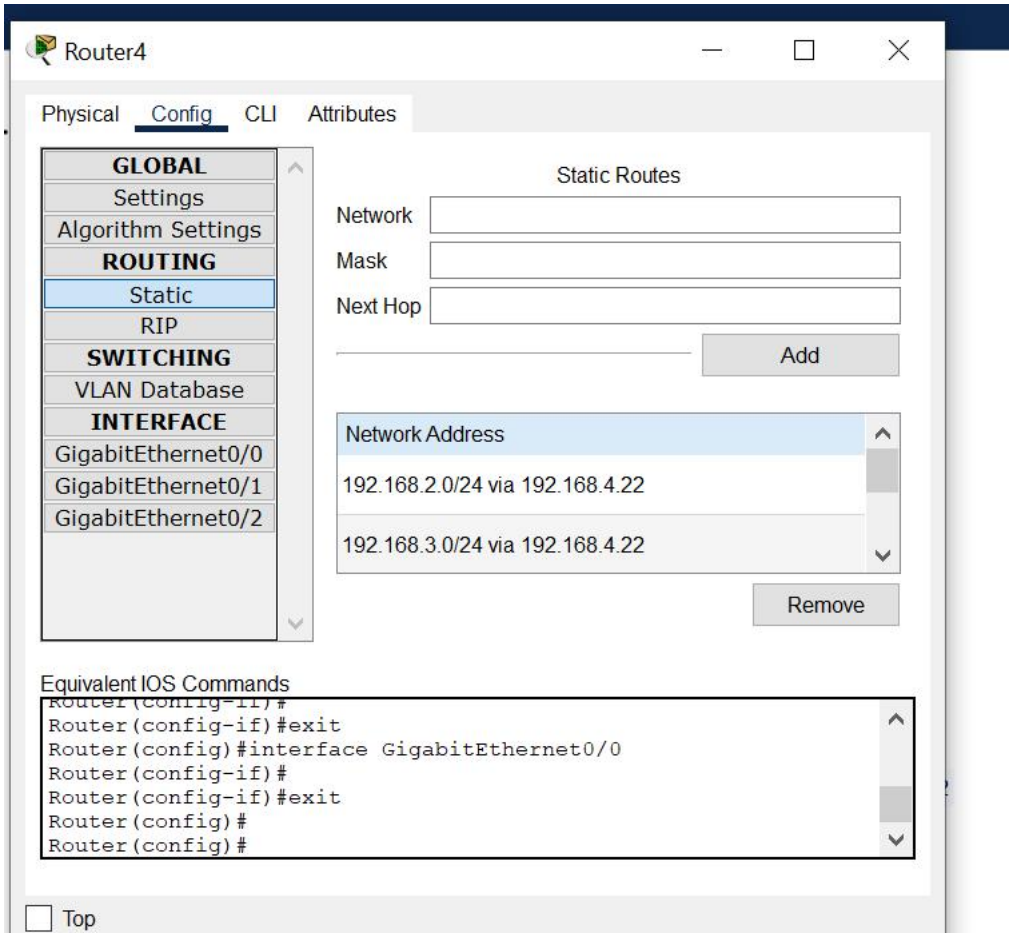

Realtime
Scenario 0
New
Delete
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Successful
PC4(...
PC7(1)(1)
ICMP
0.000
N
0
(edit)

TASK 5

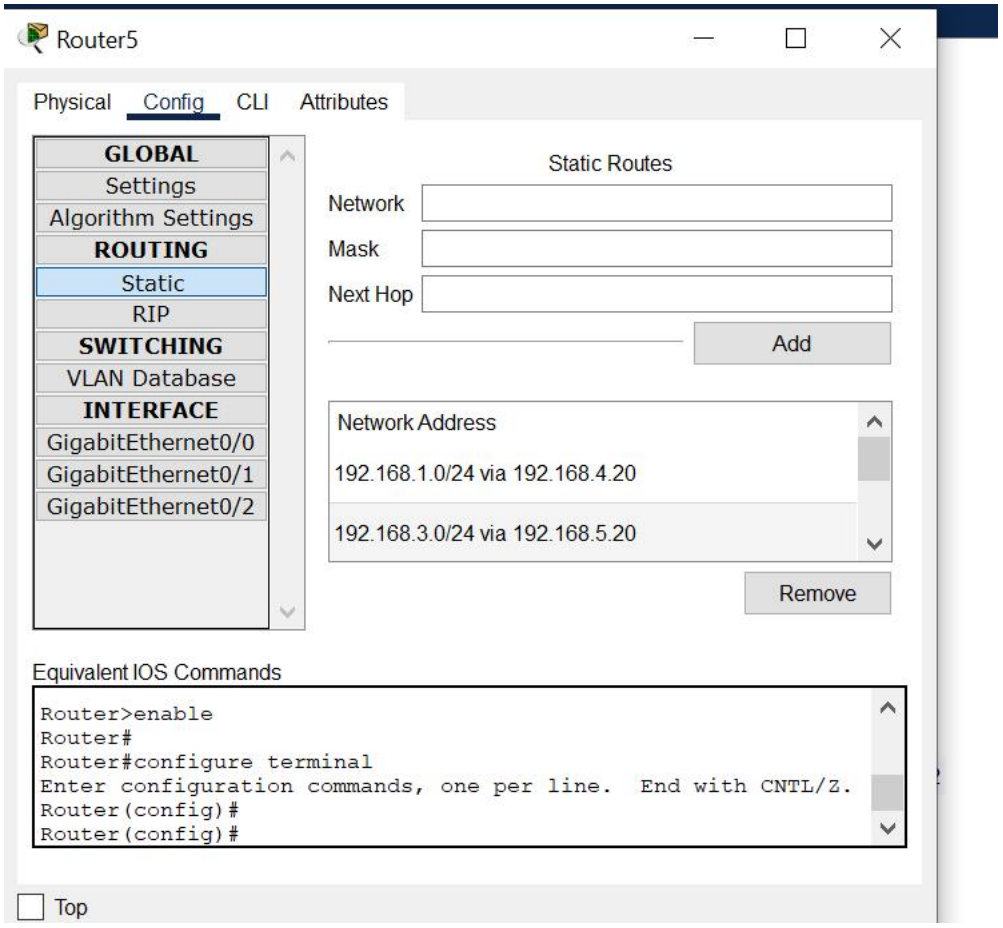
I) Here we have built the diagram and have assign the IP-Address of each PC and Router.



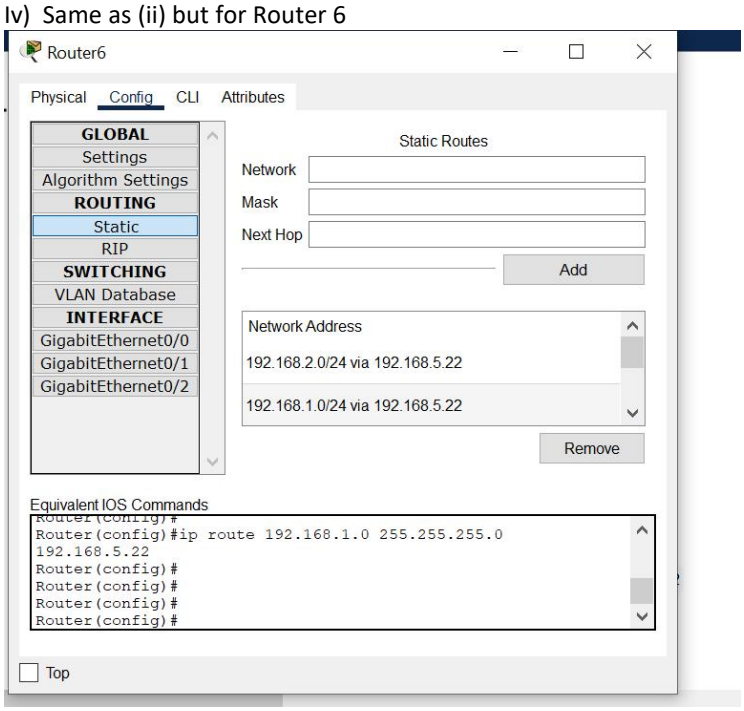
2) Here we have then give the path od router 4 to Router 5 and Router 6 by going in static.



Iii) Same as done in (ii) but here for Router 5



Iv) Same as (ii) but for Router 6



Here we can see that our msg in sent to PC4 to PC14 without error.