ALY WALEED ALY

MOHAMED NADER

MARWAN ABDELHAMID
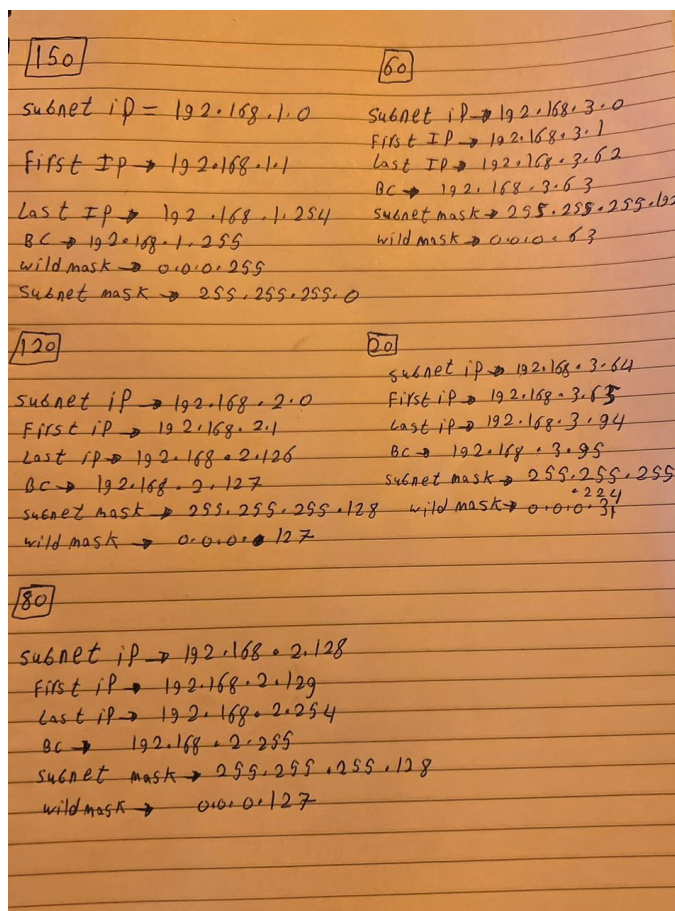
REPORT NETWORK

WHAT WE DO

1- 5 topologies

Tree,bus,ring,star,mesh

2-subnetting

150

subnet ip = 192.168.1.0

first Ip → 192.168.1.1

Last IP → 192.168.1.254
BC → 192.168.1.255
wild mask → 0.0.0.255
Subnet mask → 255.255.255.0

60

subnet ip → 192.168.3.0
first IP → 192.168.3.1
last IP → 192.168.3.62
BC → 192.168.3.63
subnet mask → 255.255.255.192
wild mask → 0.0.0.63

120

subnet ip → 192.168.2.0
First ip → 192.168.2.1
Last ip → 192.168.2.126
BC → 192.168.2.127
subnet mask → 255.255.255.128
wild mask → 0.0.0.127

00

subnet ip → 192.168.3.64
First ip → 192.168.3.65
Last ip → 192.168.3.94
BC → 192.168.3.95
subnet mask → 255.255.255.224
wild mask → 0.0.0.31

80

subnet ip → 192.168.2.128
first ip → 192.168.2.129
Last ip → 192.168.2.254
BC → 192.168.2.255
subnet mask → 255.255.255.128
wild mask → 0.0.0.127

3-NAT

2 static nat

2 dynamic nat

1 PAT

4- DHCP

5-DUPLIX

6-ACCESS LIST

7-PASSWORDS

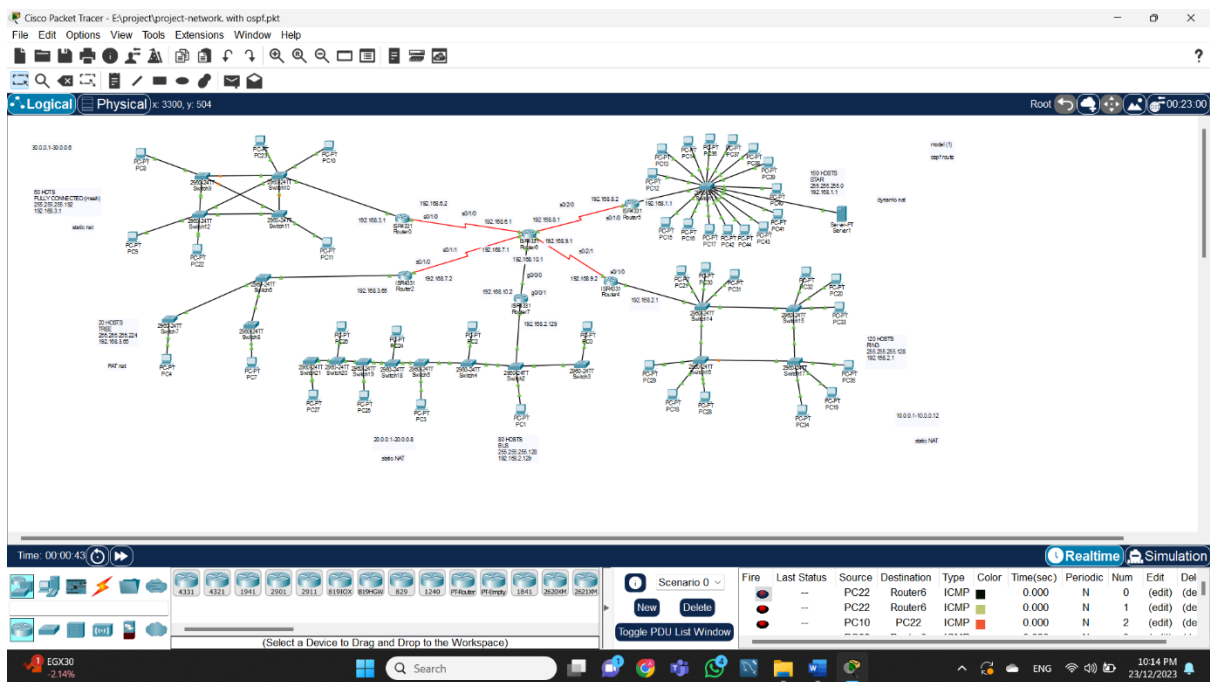**8- 3 ROUTING PROTOCOLS**

Ospf

Eigrp

Rip

The project

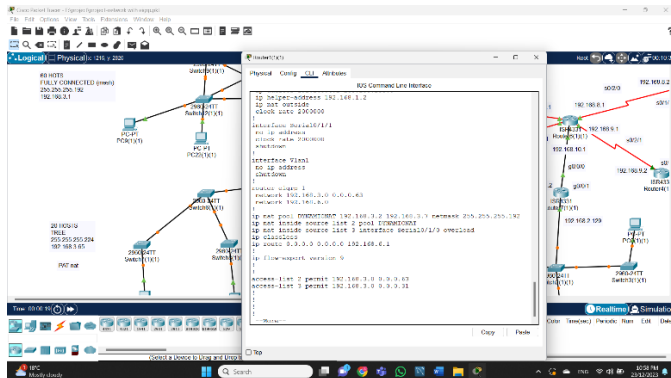

→This is the file with ospf command

Router ospf 1

Network ip network   wildmask area 0
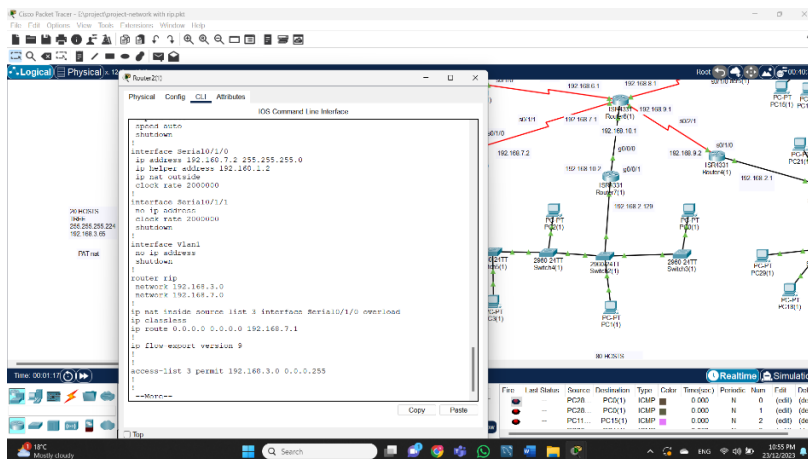
→ the file with eigrp command
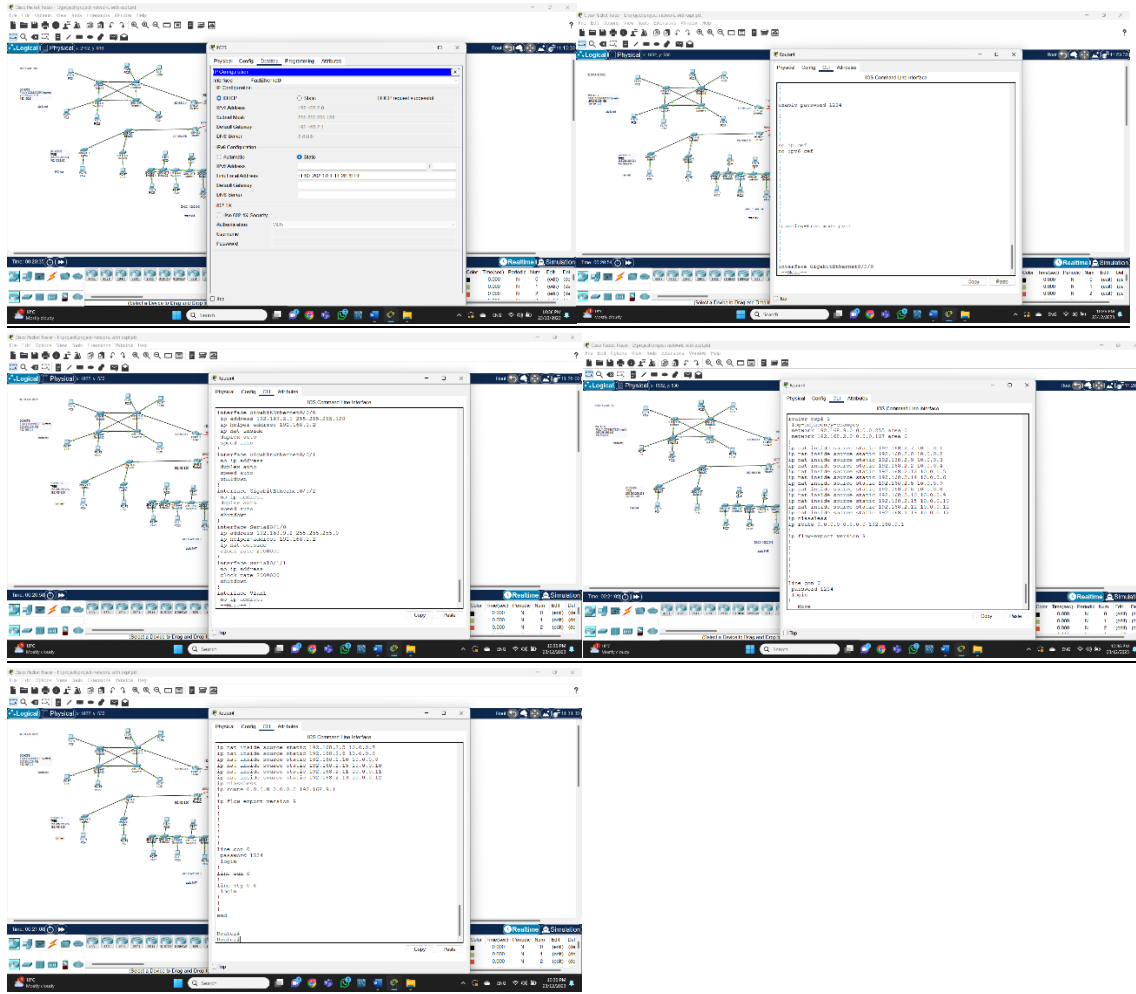
Router eigrp 1

Network ip network wildmask
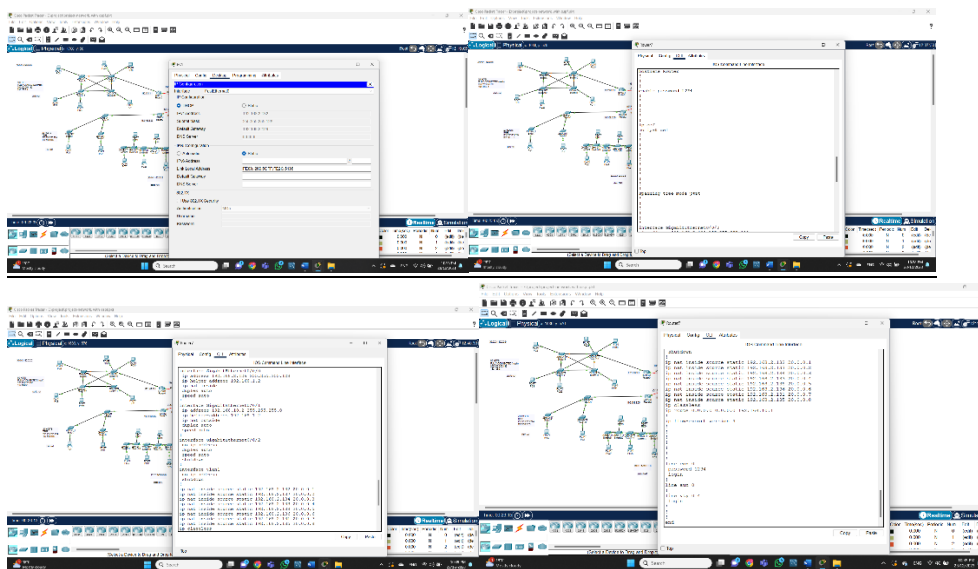

→ the file with RIP command

Router ip

Network ip network
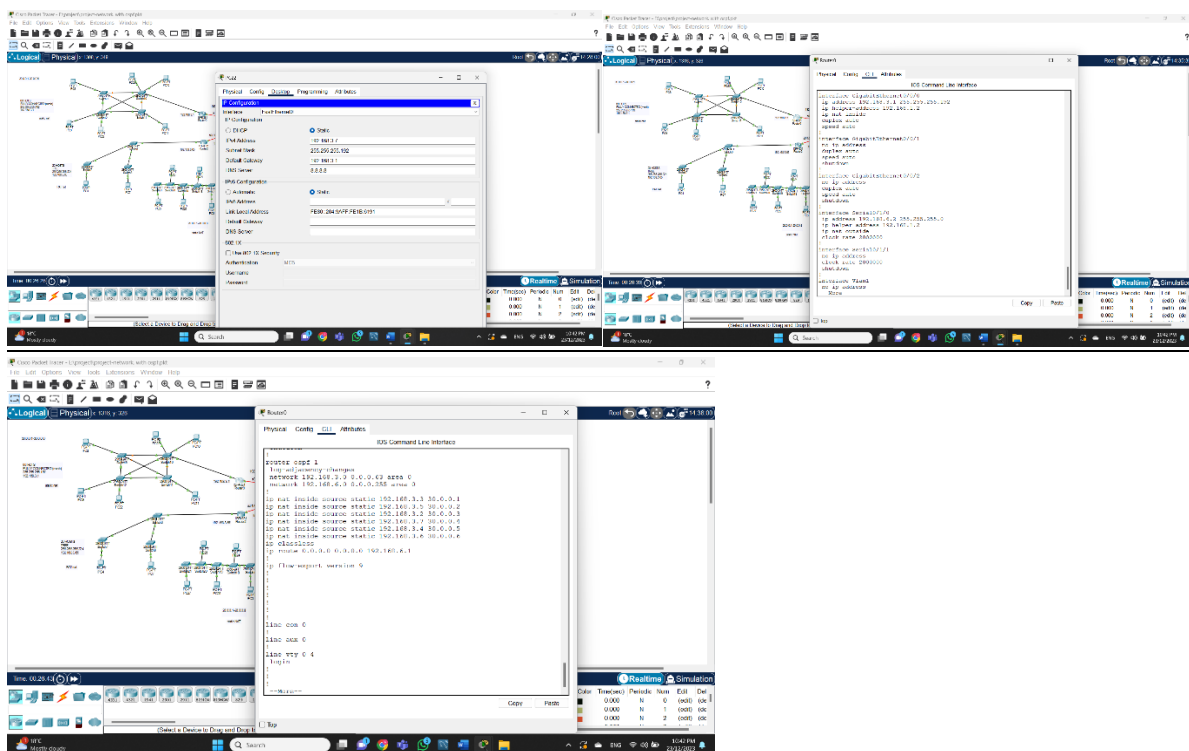
The router and pc and server command in star topology

access-list 1 permit 192.168.1.0 0.0.0.255
access-list 1 permit 192.168.2.0 0.0.0.255

The router and pc command in ring topology

The router and pc command in bus topology

The router and pc command in tree topology

access-list 3 permit 192.168.3.0 0.0.0.255

The router and pc command in mesh topology

The command of central router

THANK YOU