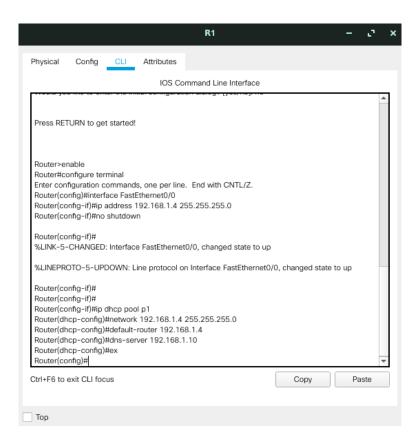
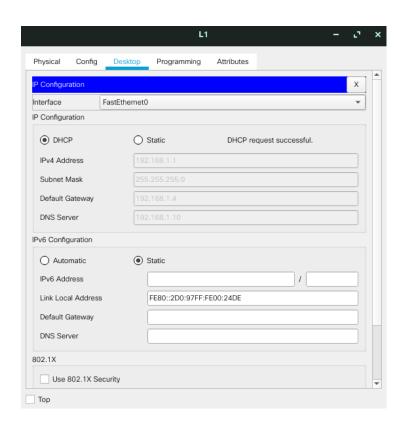
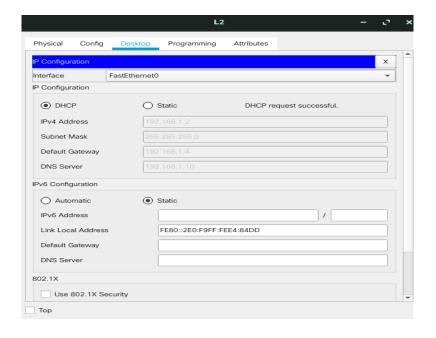
Computer Networks

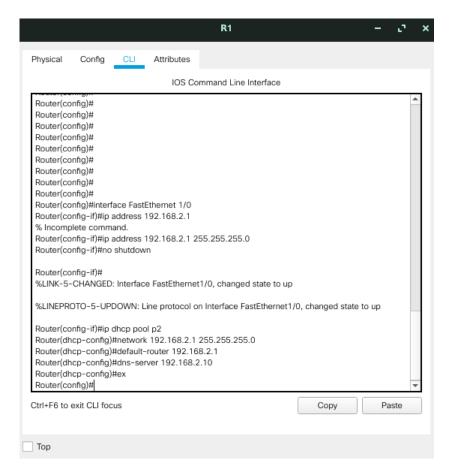
Surprise Quiz

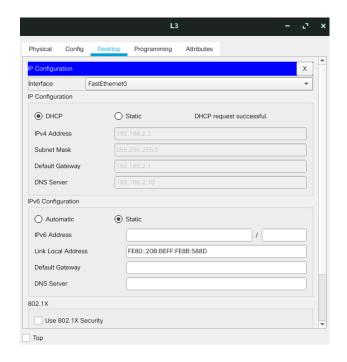
Hamza Shahid 20P-0117 BSSE-5A

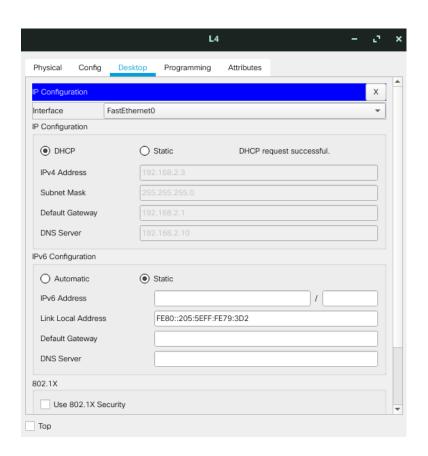


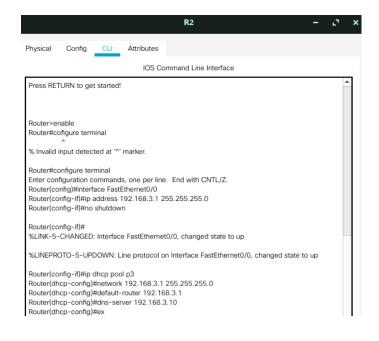


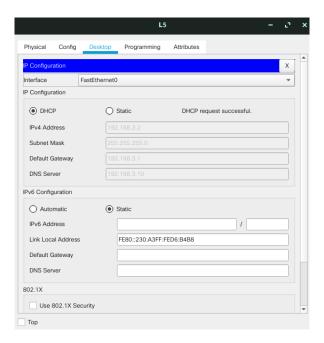


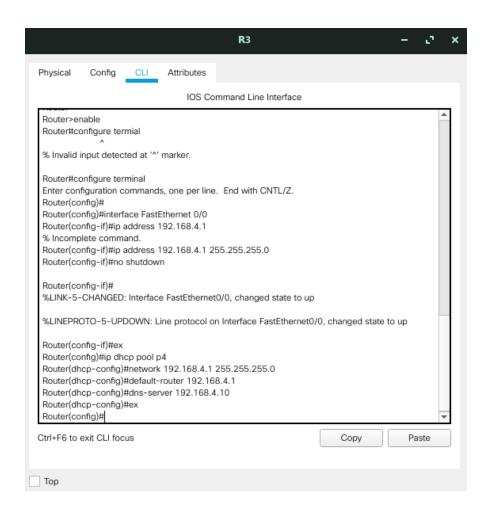


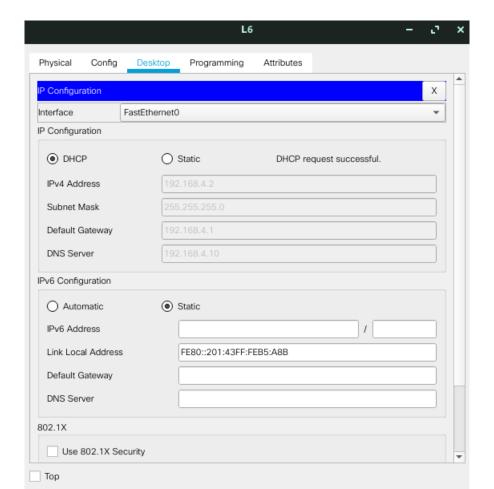






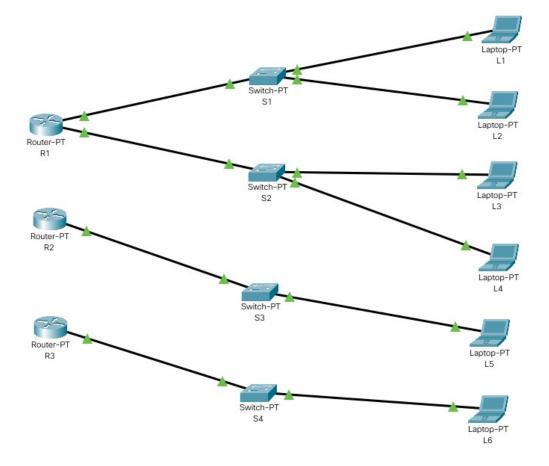






Topology:





```
IP: 172.31.1.0/24
 Binary (IP): 1010/101-000/1111-00000001.00000000
 Subnet: 1111111 - 11111111 1.00000000
 AND : 10101101-00011111-00000001-00000000
     => Converting back to decimal
 Net*ID: 25 172.31.1.0
 1. Subnets = 30 - 24
2. 3 bits must be borrowed for the
   required subnets (By table)
5· 254/8 = 3 32
    Decimal value of new subnet
    255-255-255-33
   Binary Pormat
     1111111 - 1111111 - 00100001
```