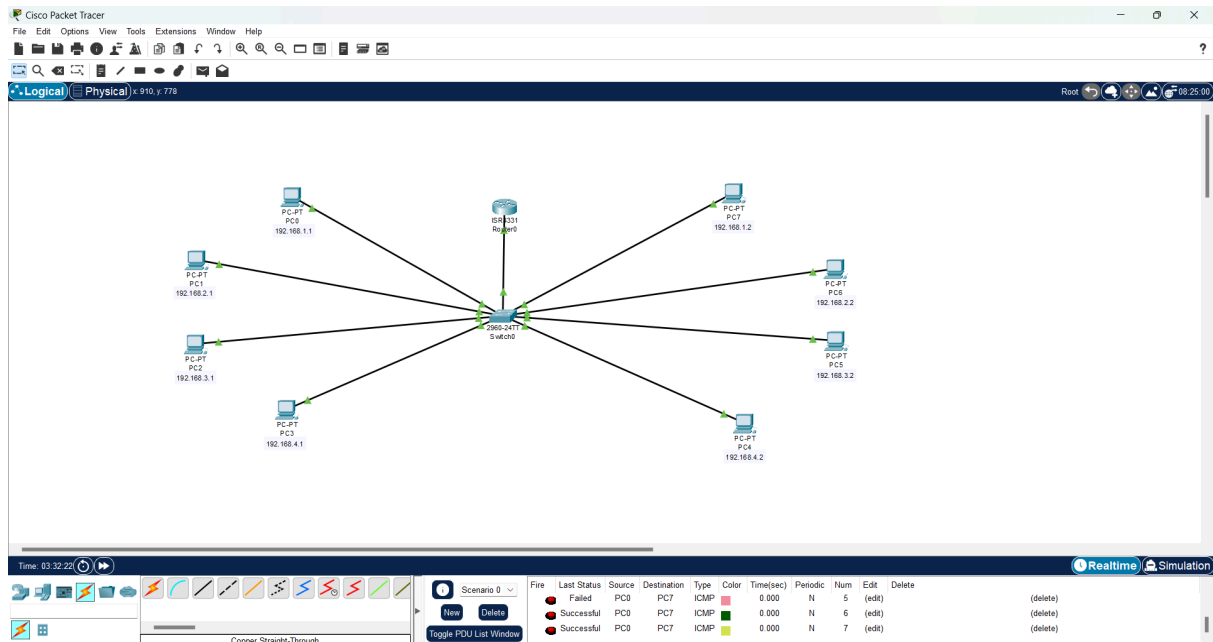


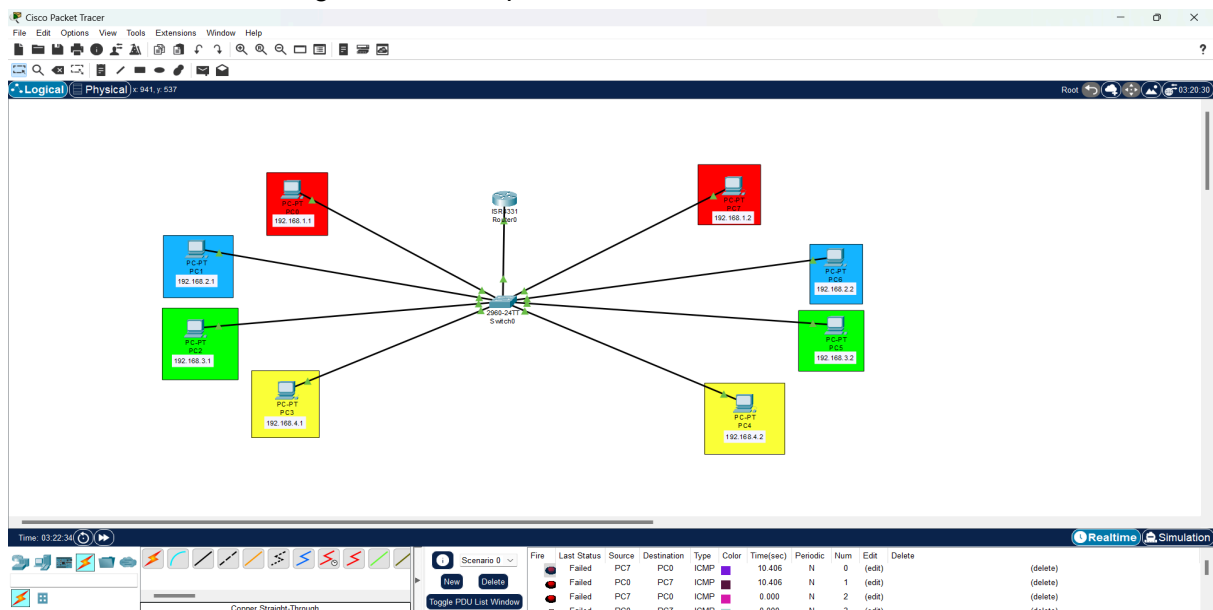
REPORT S1/L5

Obiettivo: Creazione di una rete segmentata con 4 VLAN diverse. Oltre agli screenshot del progetto, spiegare le motivazioni per cui si è scelto di ricorrere alle VLAN.

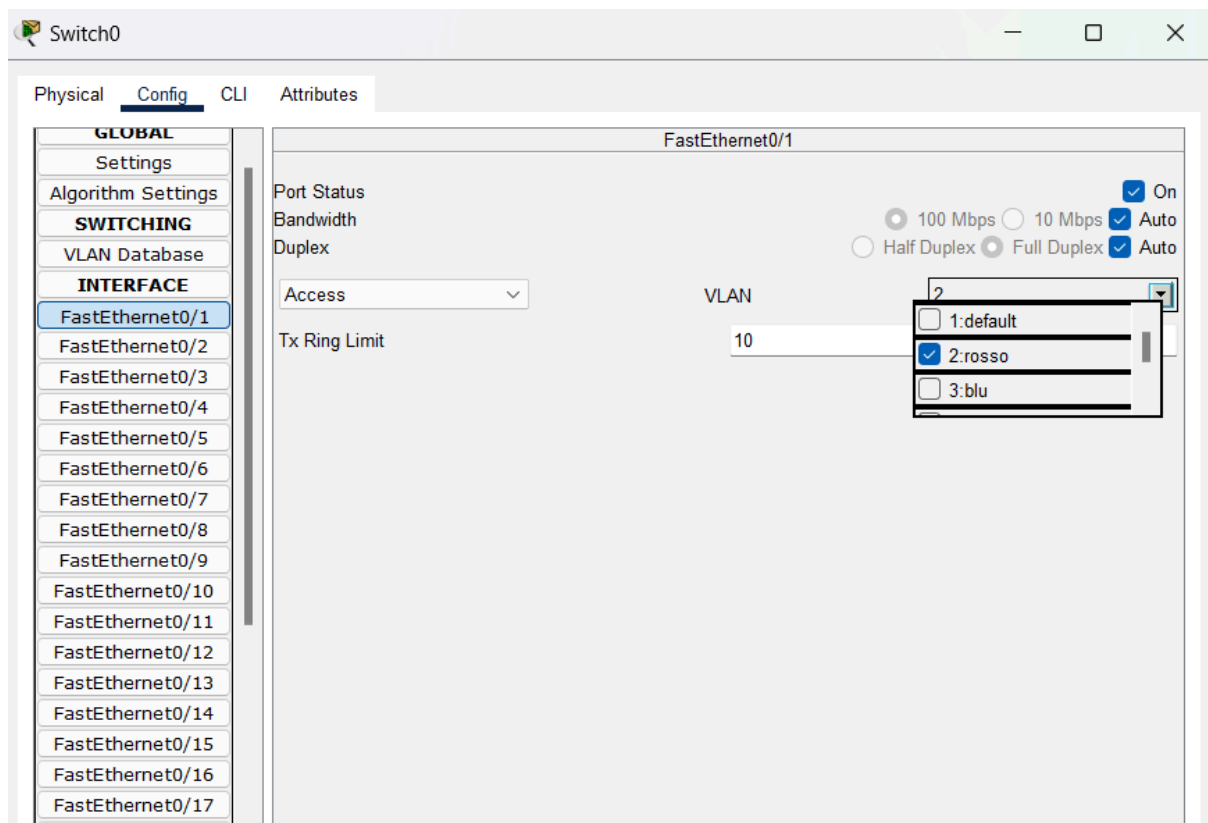
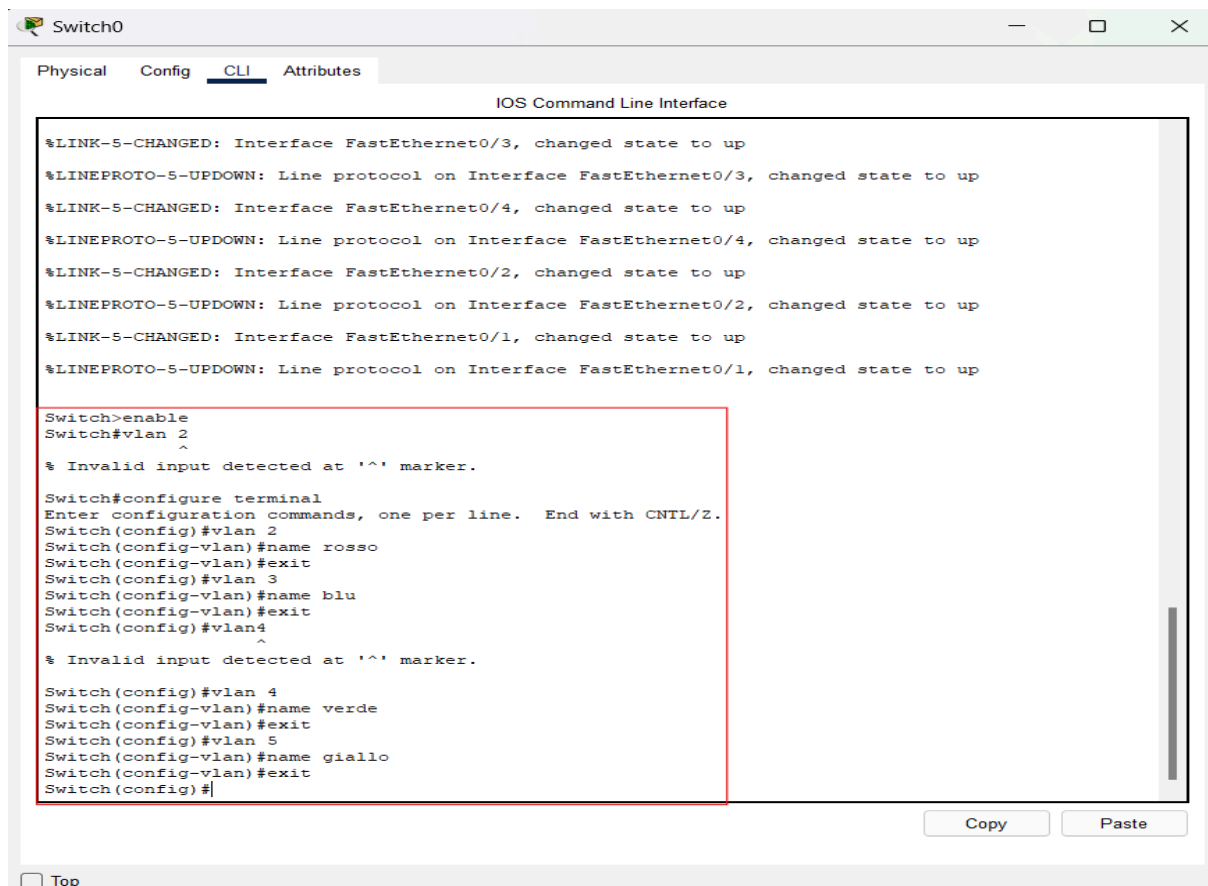
Realizzo la rete utilizzando 8 PC e assegno a ciascuna coppia di PC un indirizzo IP con la stessa subnet.



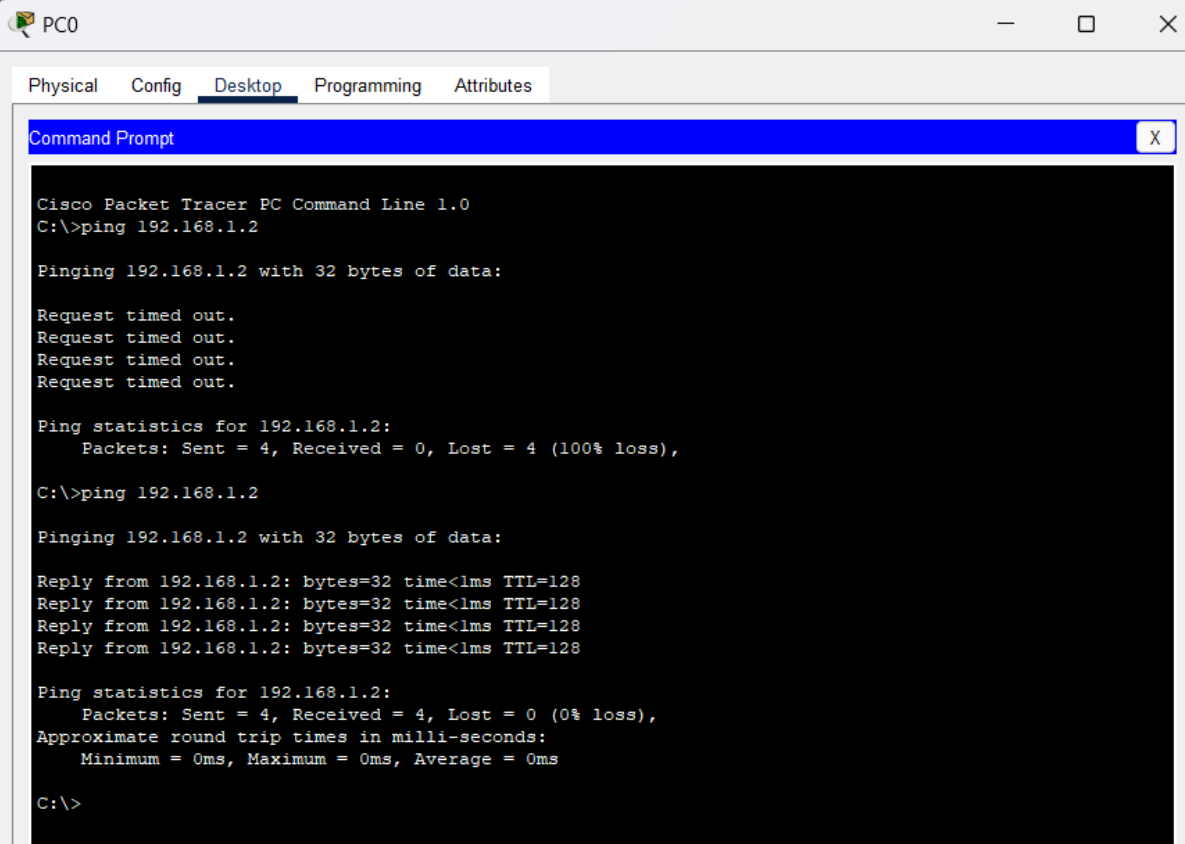
Configuro le 4 VLAN (rosso, blu, giallo e verde) e assegno ogni PC a una VLAN specifica, con un indirizzo IP configurato nella rispettiva subnet.



Configuro lo switch e associo le sue porte alle rispettive VLAN.



Infine ho fatto dei test per utilizzando il comando ping. I PC nella stessa VLAN hanno potuto comunicare senza problemi.



```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```