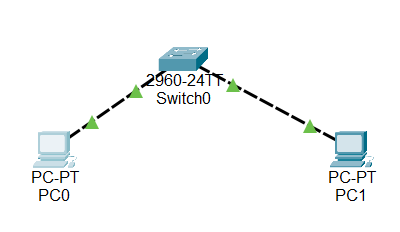
**Q3. Configure static IP addresses, modify MAC addresses, and verify network connectivity using ping and ifconfig commands.**

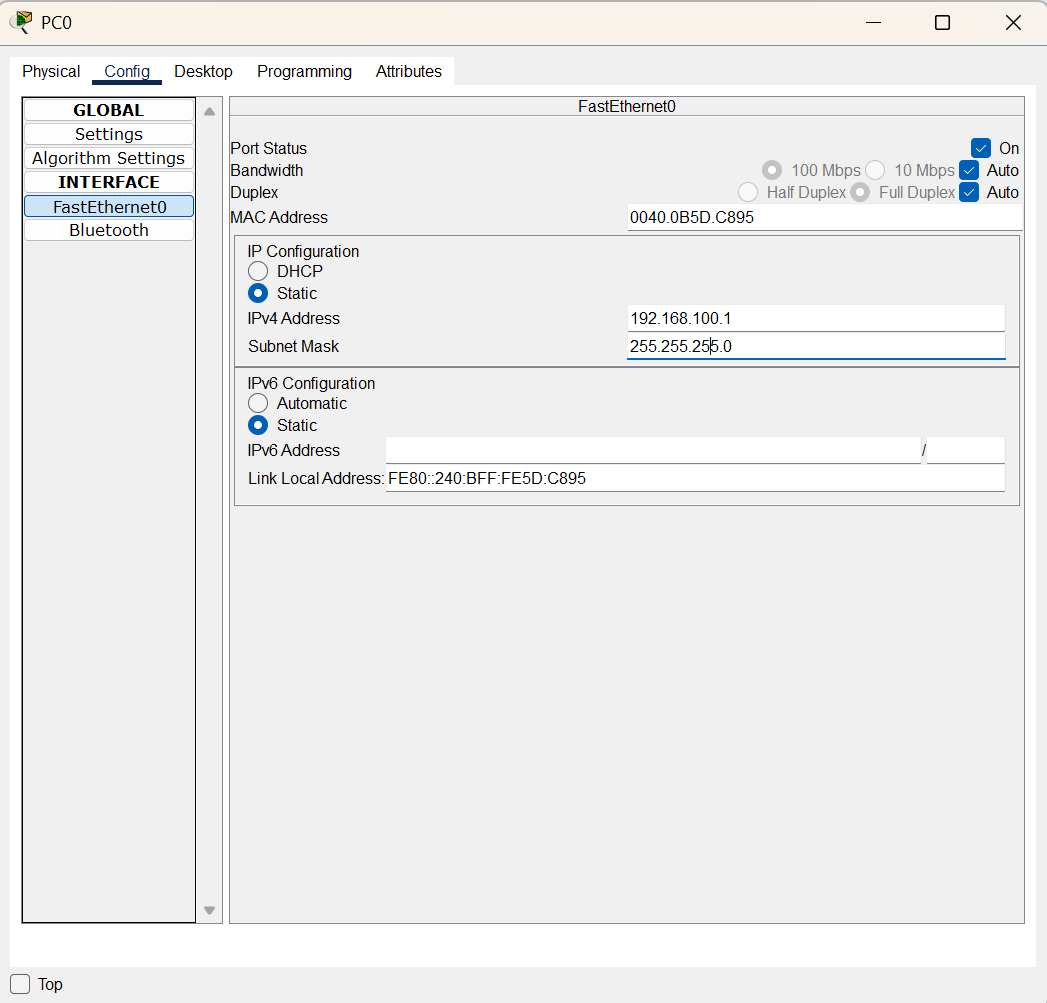
**WINDOWS:**

**Simple network setup:**

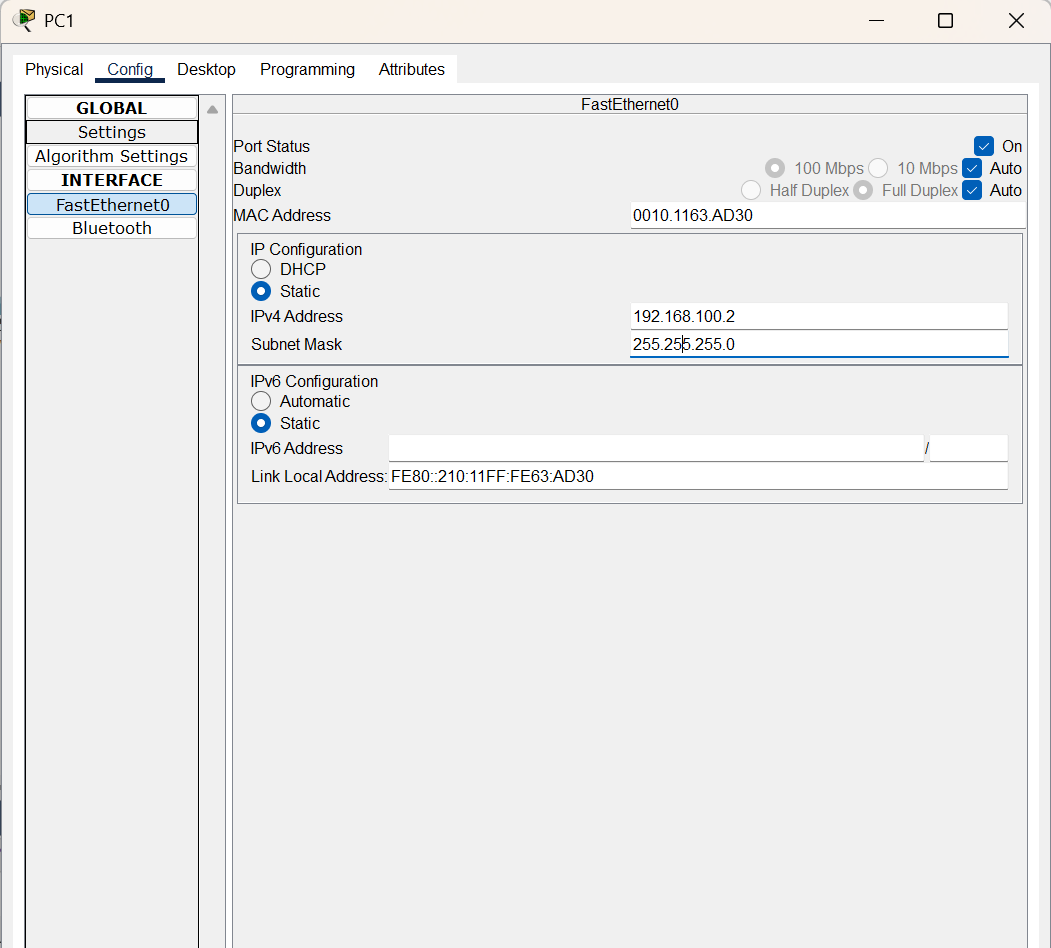


**Before changing the MAC address of PC’s:**

**PC 0**

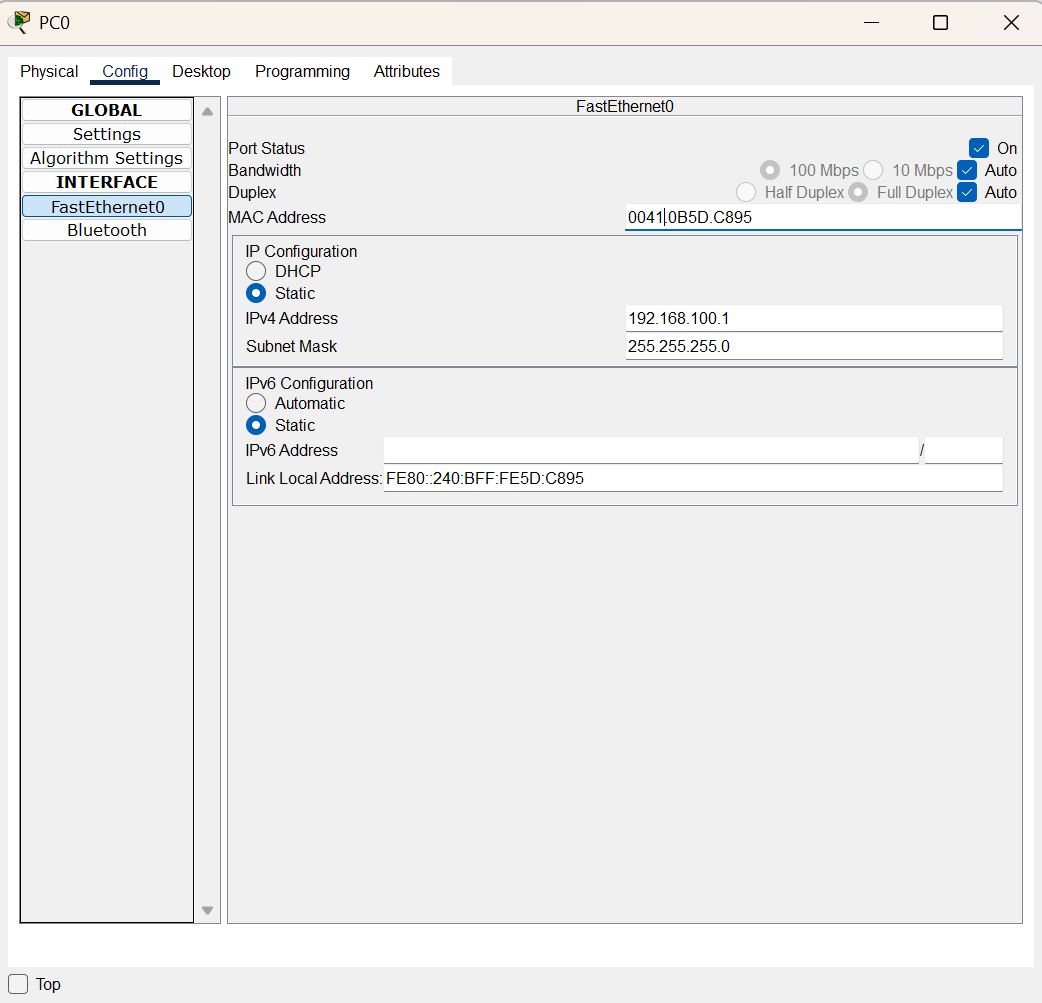


**PC 1**

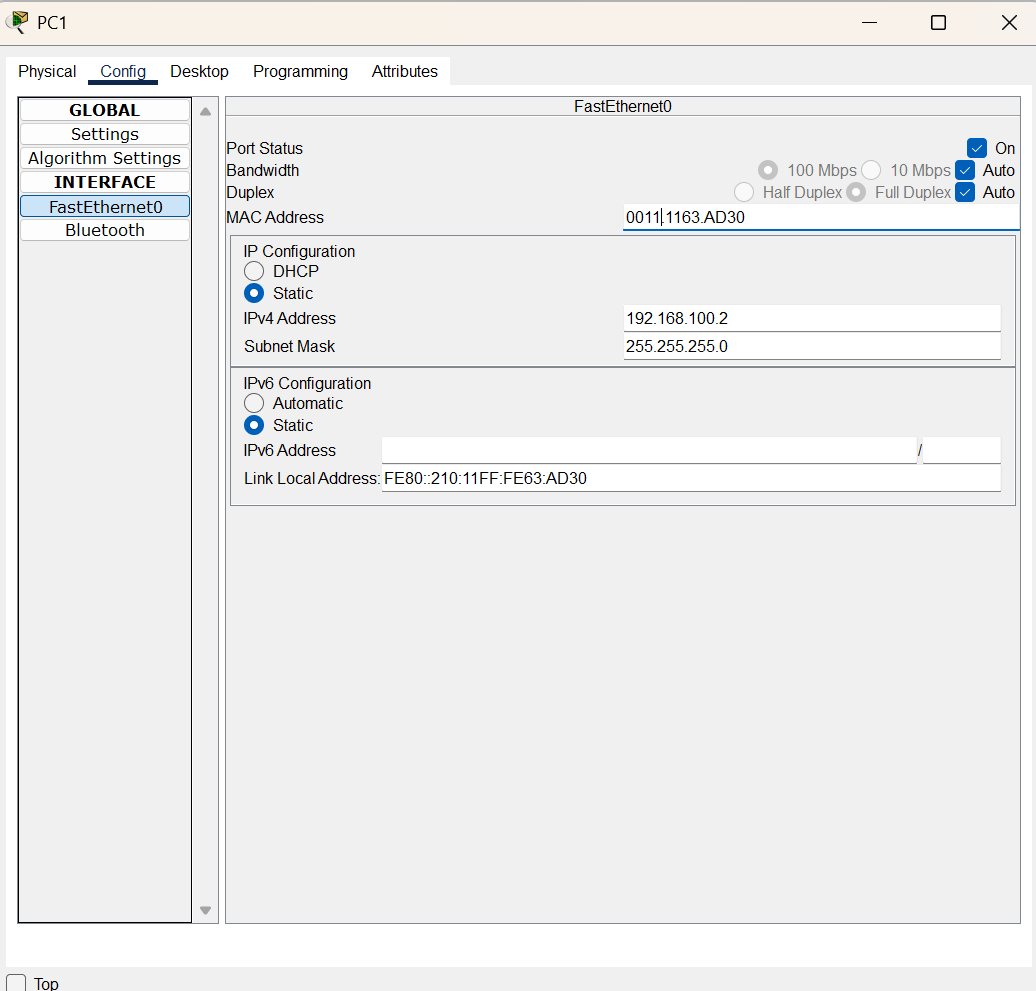


**After changing the MAC address of PC’s:**

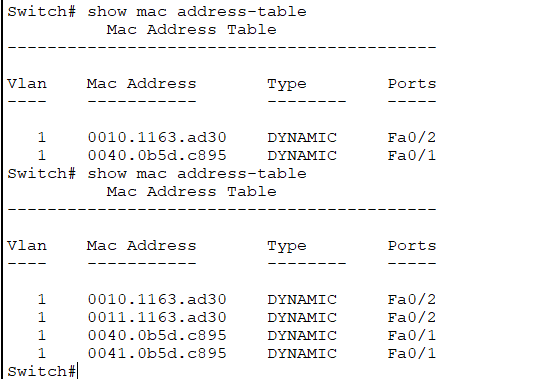
**PC 0**

****

**PC 1**

****

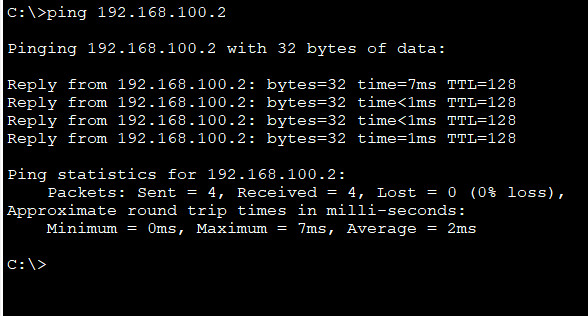
**Switch MAC address table**

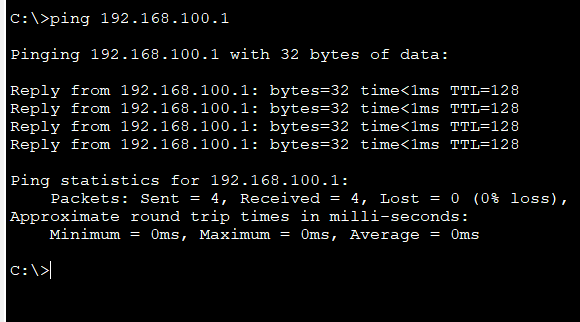


After changing MAC

Before changing MAC

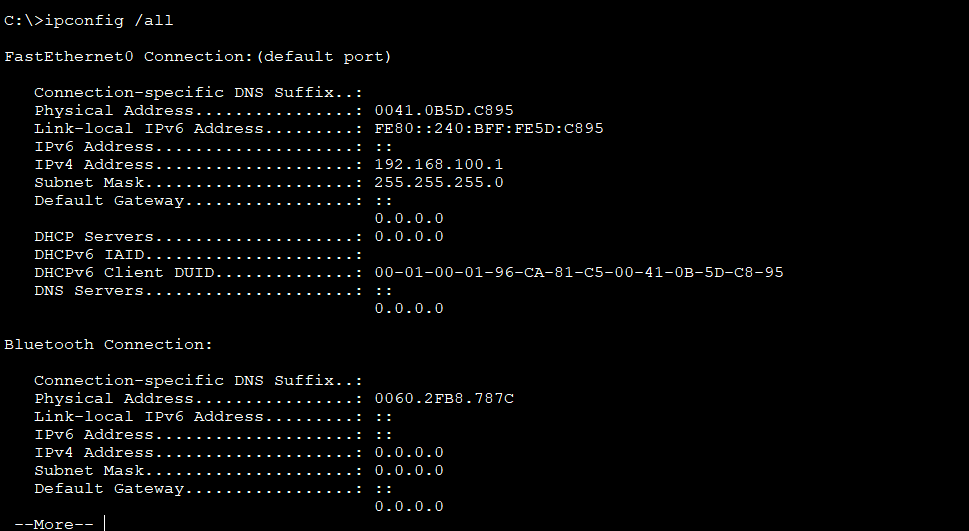
**Ping commands to verify network connectivity:**



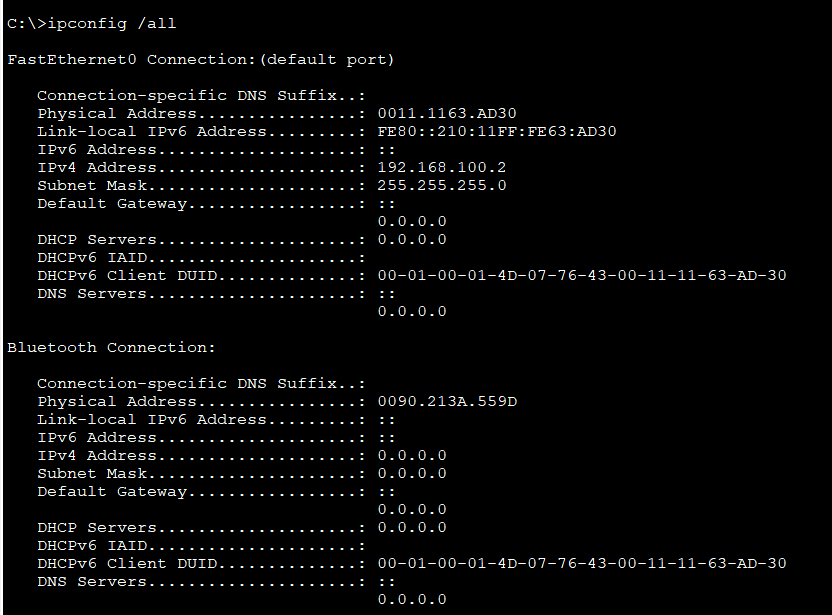


**ipconfig /all command :**

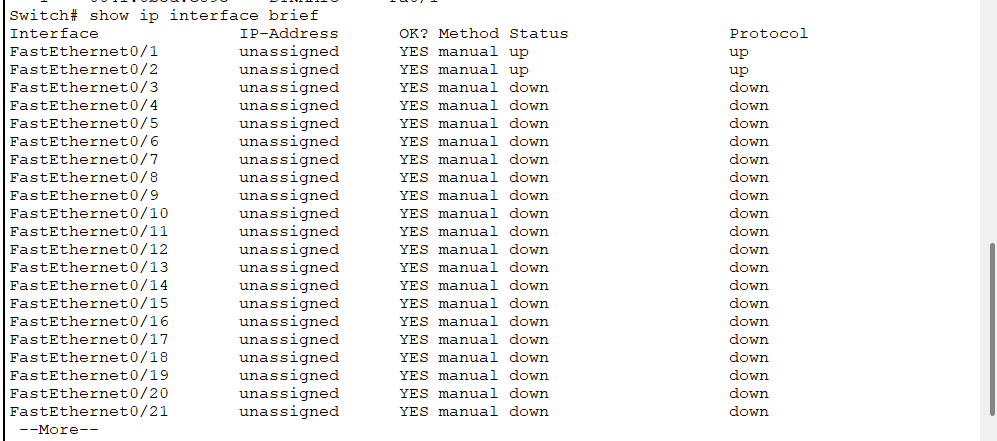
**PC 0:**



**PC 1:**

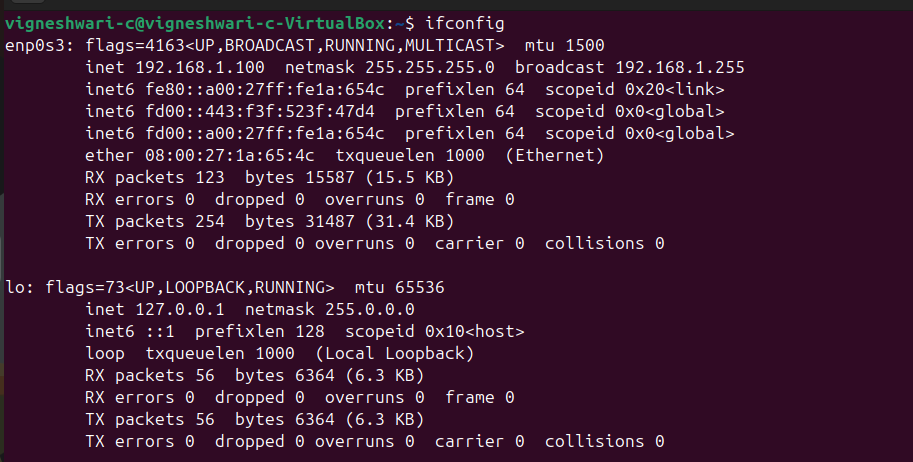


**Brief description of the ip interfaces:**

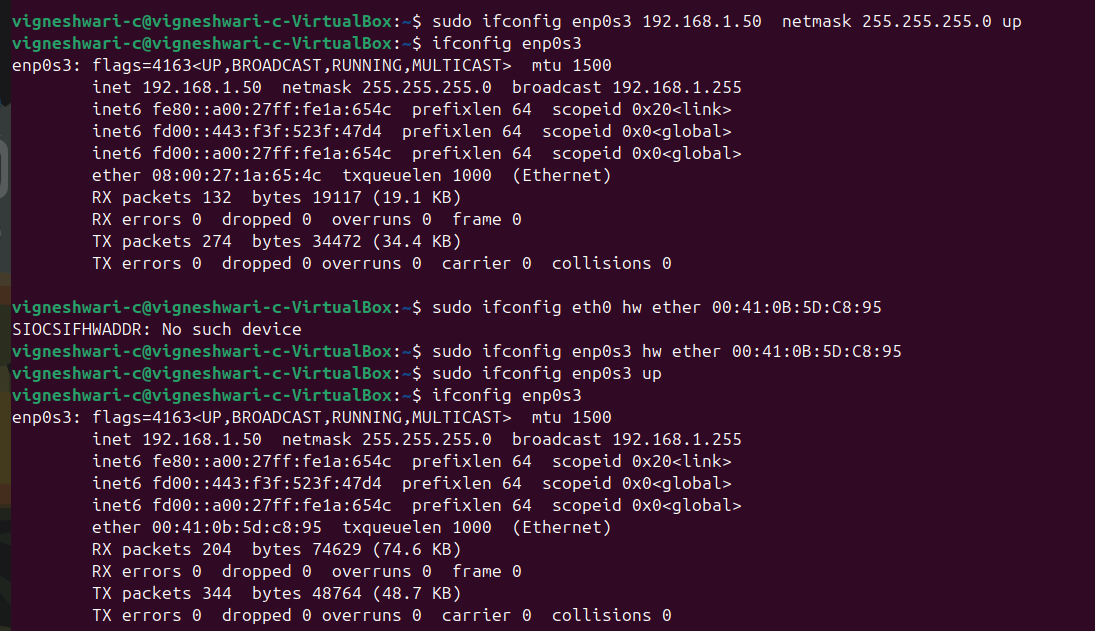


**LINUX:**

**Using ifconfig cmd to check the interfaces:**



**Changing manually the ip:**



**Checking connectivity based on ping command:**

