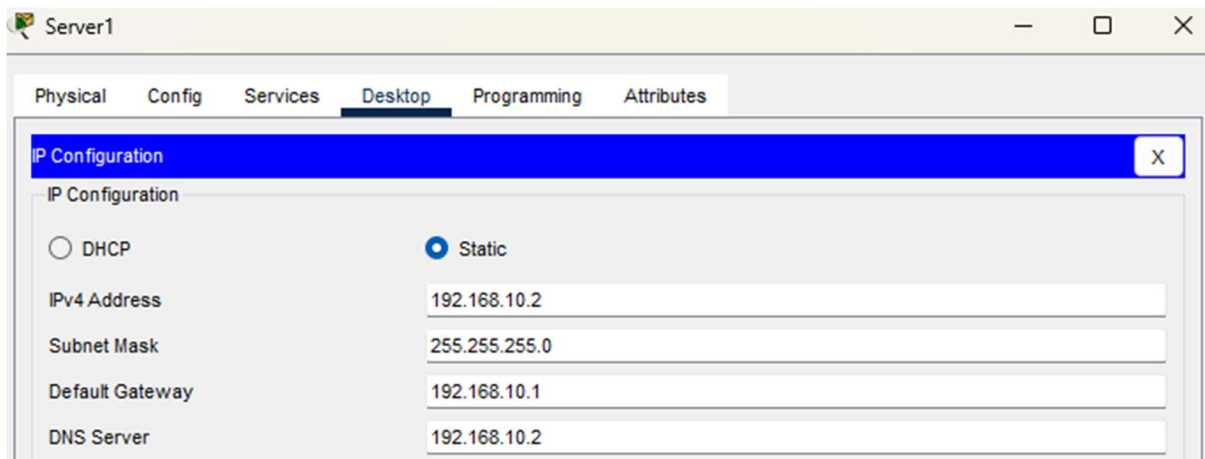


Implementation :-

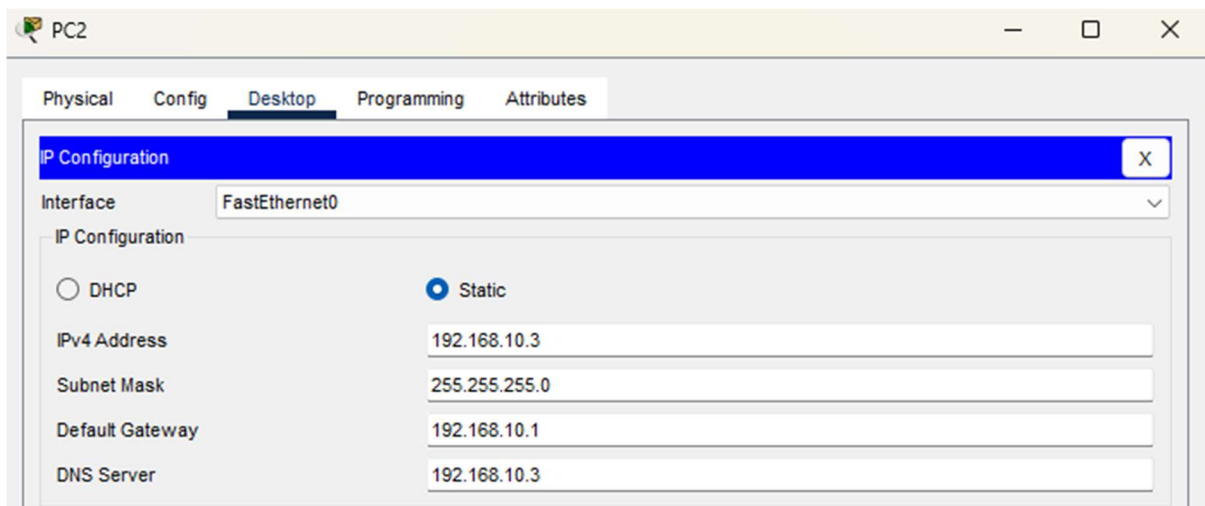
- **Configure the Server:**



The screenshot shows the 'Server1' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is highlighted in blue. Below it, the 'IP Configuration' sub-section shows the 'Static' radio button selected. The fields are filled with the following values:

| Field | Value |
|-----------------|---------------|
| IPv4 Address | 192.168.10.2 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.10.1 |
| DNS Server | 192.168.10.2 |

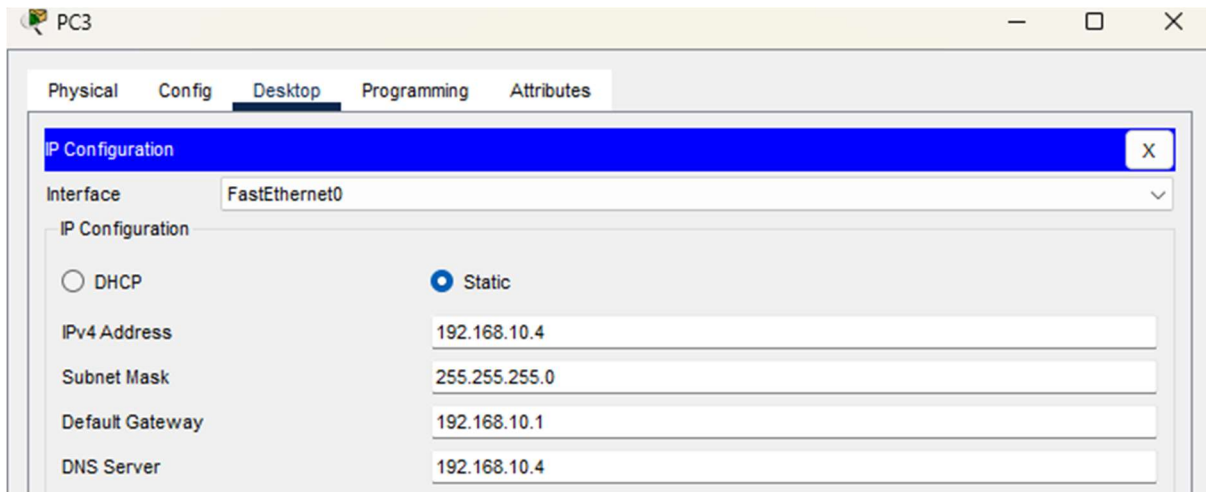
- **Configure PC2:**



The screenshot shows the 'PC2' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is highlighted in blue. Below it, the 'IP Configuration' sub-section shows the 'Static' radio button selected. The fields are filled with the following values:

| Field | Value |
|-----------------|---------------|
| Interface | FastEthernet0 |
| IPv4 Address | 192.168.10.3 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.10.1 |
| DNS Server | 192.168.10.3 |

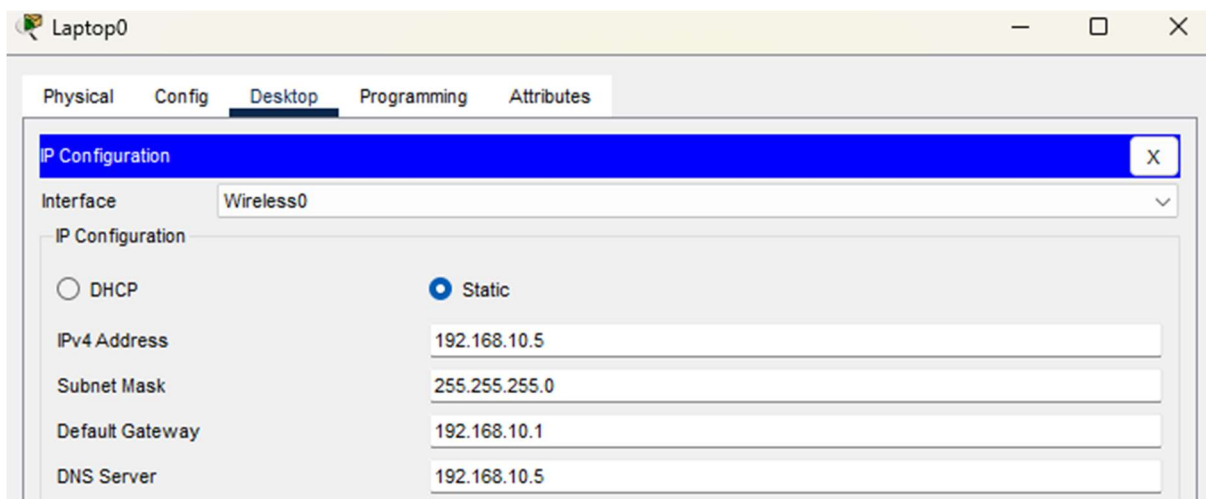
- **Configure PC3:**



The screenshot shows the configuration window for PC3. The 'Desktop' tab is selected. The 'IP Configuration' section is expanded, showing the 'FastEthernet0' interface. The 'Static' radio button is selected for IP configuration. The fields are filled with the following values:

| Field | Value |
|------------------|---------------|
| Interface | FastEthernet0 |
| IP Configuration | Static |
| IPv4 Address | 192.168.10.4 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.10.1 |
| DNS Server | 192.168.10.4 |

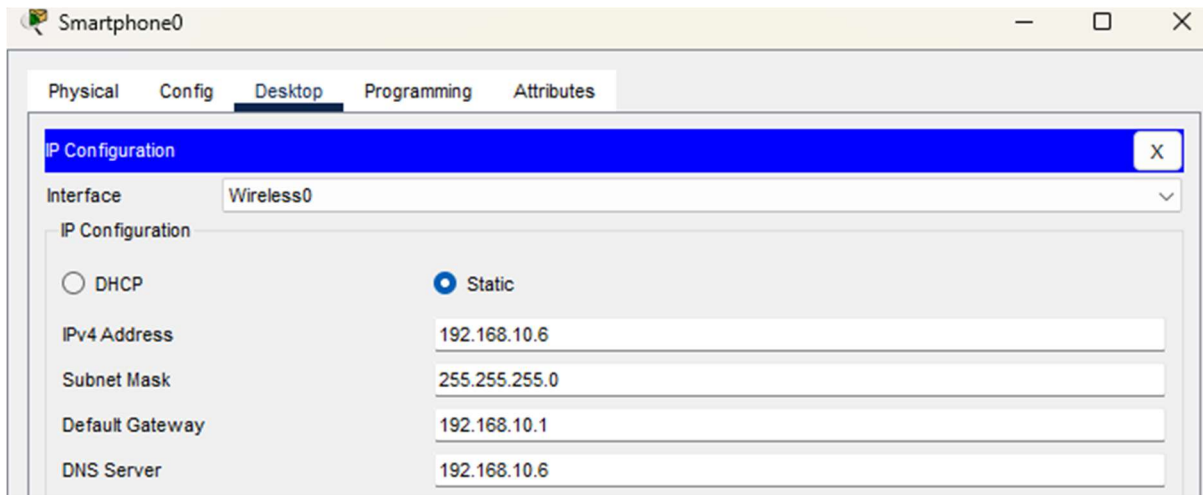
- **Configure Laptop0:**



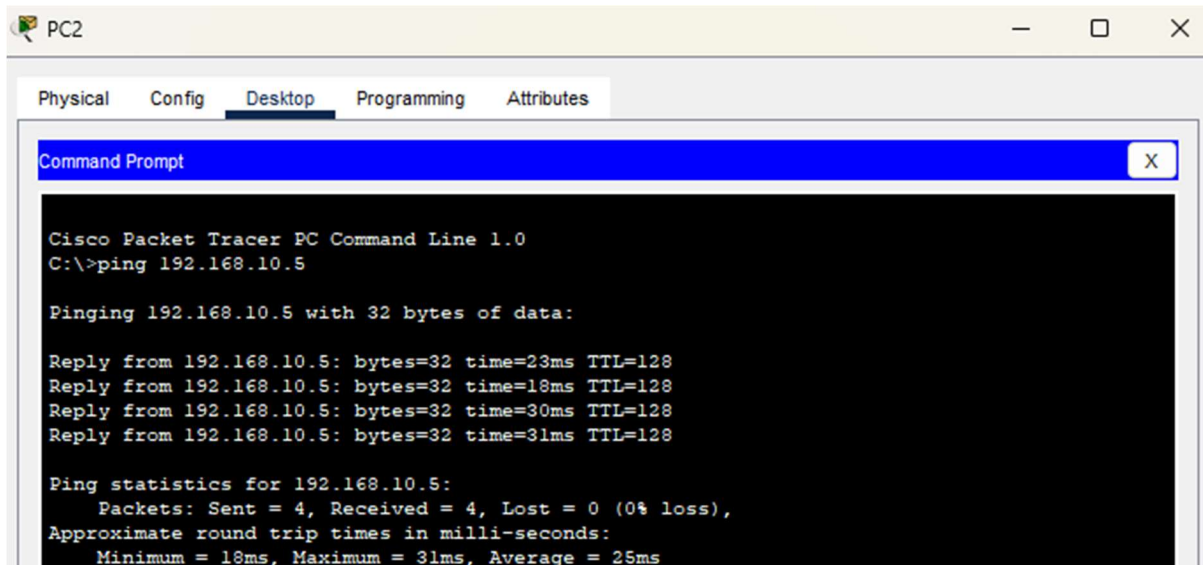
The screenshot shows the configuration window for Laptop0. The 'Desktop' tab is selected. The 'IP Configuration' section is expanded, showing the 'Wireless0' interface. The 'Static' radio button is selected for IP configuration. The fields are filled with the following values:

| Field | Value |
|------------------|---------------|
| Interface | Wireless0 |
| IP Configuration | Static |
| IPv4 Address | 192.168.10.5 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.10.1 |
| DNS Server | 192.168.10.5 |

- **Configure Smartphone0:**



- **Checking the connectivity (pinging laptop0 from PC2):**



Similarly the ping message can be checked for all the devices.

Result:

Hence the Connectivity of the network has been verified.