##Router Basic Configuration

192.168.1.11   192.168.1.0/24

Fa0/0 Fa0/1
cisco_delhi_00001

192.168.2.11

mumbai brranch
ABC.PVT.LTD

192.168.2.0

pune branch
XYZ.PVT.LTD

192.168.1.0

cisco_delhi_00001(config)#interface fastethernet 0/0
cisco_delhi_00001(config-if)#ip address 192.168.1.11 255.255.255.0
cisco_delhi_00001(config-if)#no shutdown
cisco_delhi_00001(config-if)#exit

cisco_delhi_00001(config)#interface fastethernet 0/1
cisco_delhi_00001(config-if)#ip address 192.168.2.11 255.255.255.0
cisco_delhi_00001(config-if)#no shutdown
cisco_delhi_00001(config-if)#exit

Router Configuration

1. Basic Configuration

How to start to configure a Router

User EXEC mode
Router >

Privileged EXEC mode Router >enable
Router #

Global Configuration mode
Router #configure terminal
 Router(config)#

 Interface Configuration mode
 Router(config)#interface fastethernet 0/0
 Router(config-if)#

Set Router's hostname

>enable
Router# configure terminal
Router(config)#hostname cisco_delhi_00001
cisco_delhi_00001 (config)#

Router Configuration

```
cisco_delhi_00001(config)#interface fastethernet 0/0
cisco_delhi_00001(config-if)#ip address 192.168.1.11 255.255.255.0
cisco_delhi_00001(config-if)#no shutdown
cisco_delhi_00001(config-if)#exit
cisco_delhi_00001(config)#interface fastethernet 0/1
cisco_delhi_00001(config-if)#ip address 192.168.2.11 255.255.255.0
cisco_delhi_00001(config-if)#no shutdown
cisco_delhi_00001(config-if)#exit
```
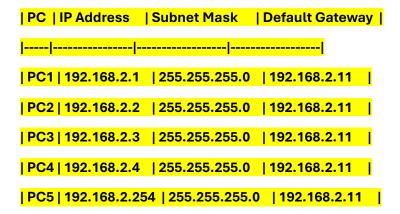
PC Configuration

Each PC in the respective networks needs to be configured with a static IP address. Here's the detailed setup:

For Network 192.168.1.0/24

PC	IP Address	Subnet Mask	Default Gateway
PC1	192.168.1.1	255.255.255.0	192.168.1.11
PC2	192.168.1.2	255.255.255.0	192.168.1.11
PC3	192.168.1.3	255.255.255.0	192.168.1.11
PC4	192.168.1.4	255.255.255.0	192.168.1.11
PC5	192.168.1.254	255.255.255.0	192.168.1.11

For Network 192.168.2.0/24

PC	IP Address	Subnet Mask	Default Gateway
PC1	192.168.2.1	255.255.255.0	192.168.2.11
PC2	192.168.2.2	255.255.255.0	192.168.2.11
PC3	192.168.2.3	255.255.255.0	192.168.2.11
PC4	192.168.2.4	255.255.255.0	192.168.2.11
PC5	192.168.2.254	255.255.255.0	192.168.2.11

Explanation of PC Configuration

- **IP Address: Each PC is assigned a unique IP address within its subnet to ensure communication.**
- **Subnet Mask: Defines the network portion of the IP address (255.255.255.0 indicates a Class C network).**
- **Default Gateway: The IP address of the router that allows the PC to communicate with devices outside its local network.**