100.0.0.1/8   100.0.0.2/8
⏱ Se0/1/0   Se0/1/0
                                      192.168.1.1/24
                                      Gig0/0/0
ISR433
Router0   Gig0/0/0   ISR433
                              Router1
                                          Fa0
10.0.0.1/8

              Fa0/1
                                        Server-PT
                                        Server0

2960 24TT   Fa0/4   192.168.1.10/24
Swi Fa0/3
Fa0/2
        Fa0

    Fa0   Fa0   Fa0

PC-PT   PC-PT   PC-PT
PC0   PC1   PC2

10.0.0.10/8   10.0.0.20/8   10.0.0.30/8

Name: Vikrant Sharma
RegNo: 229309071

100.0.0.1/8   100.0.0.2/8
⏱ Se0/1/0   Se0/1/0
                                      192.168.1.1/24
                                      Gig0/0/0
ISR433
Router0   Gig0/0/0   ISR433
                              Router1
                                          Fa0
10.0.0.1/8

              Fa0/1
                                        Server-PT
                                        Server0

2960 24TT   Fa0/4   192.168.1.10/24
Swi Fa0/3
Fa0/2
        Fa0

    Fa0   Fa0   Fa0

PC-PT   PC-PT   PC-PT
PC0   PC1   PC2

10.0.0.10/8   10.0.0.20/8   10.0.0.30/8

Physical   Config   **CLI**   Attributes

IOS Command Line Interface

```
Router(config)#interface Serial0/1/1
Router(config-if)#clock rate 64000
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1/1
Router(config-if)#ip address
% Incomplete command.
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up
ip address 192.168.1.1 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#ip nat inside source static 10.0.0.10 50.0.0.10
Router(config)#ip nat inside source static 192.168.1.10 200.0.0.10
Router(config)#int Gig0/0/0
Router(config-if)#ip nat inside
Router(config-if)#exit
Router(config)#int se 0/1/0
Router(config-if)#ip nat outside
Router(config-if)#exit
Router(config)#ip route 50.0.0.0 255.0.0.0 100.0.0.1
%Invalid next hop address (it's this router)
Router(config)#ip route 50.0.0.0 255.0.0.0 100.0.0.2
Router(config)#ipconfig
                ^
% Invalid input detected at '^' marker.

Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
ipconfig
Translating "ipconfig"...domain server (255.255.255.255)|
```

```
Router#ip config
        ^
% Invalid input detected at '^' marker.

Router#ipconfig
Translating "ipconfig"...domain server (255.255.255.255)
Router#ping
% Unknown command or computer name, or unable to find computer address

Router#ping 100.0.0.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 100.0.0.2, timeout is 2 seconds:
.....
Success rate is 0 percent (0/5)

Router#ping 100.0.0.1

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 100.0.0.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 24/35/58 ms

Router#netstat
Translating "netstat"...domain server (255.255.255.255)
Router#
% Unknown command or computer name, or unable to find computer address

Router#arp -a
          ^
% Invalid input detected at '^' marker.

Router#arp-a
Translating "arp-a"...domain server (255.255.255.255)
Router#tracert
Translating "tracert"...domain server (255.255.255.255)
Router#|
```