

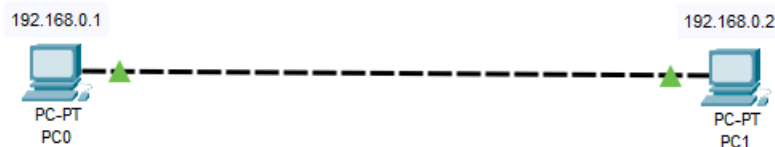
Assignment – 1

Making a basic computer connection.

❖ Procedure:

- Step 1 : Take 2 PCs and 1 Switch (or 2 Routers for advanced setups).
- Step 2 : Connect devices using Straight-Through cables (PC to Switch) or Cross-Over cables (Router to Router).
- Step 3 : Assign IP Address, Subnet Mask, and Default Gateway to each PC:
- Step 3.1 : Open PC → Desktop → IP Configuration → Enter ↵
 - Step 3.2 : IP: 192.168.0.1 (PC-0), 192.168.0.2 (PC-1)
 - Step 3.3 : Subnet Mask: 255.255.255.0
 - Step 3.4 : Leave gateway empty for same-network PCs or add router IP.
- Step 4 : Test the Network Connection.
- Step 4.1 : Open PC-0's Command Prompt → Type :
ping 192.168.0.2 → which is PC-1's IP
- Step 5 : Replies are successful, the connection works!

❖ Diagram:



❖ Output's:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time=10ms TTL=128
Reply from 192.168.0.2: bytes=32 time=4ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 4ms
```