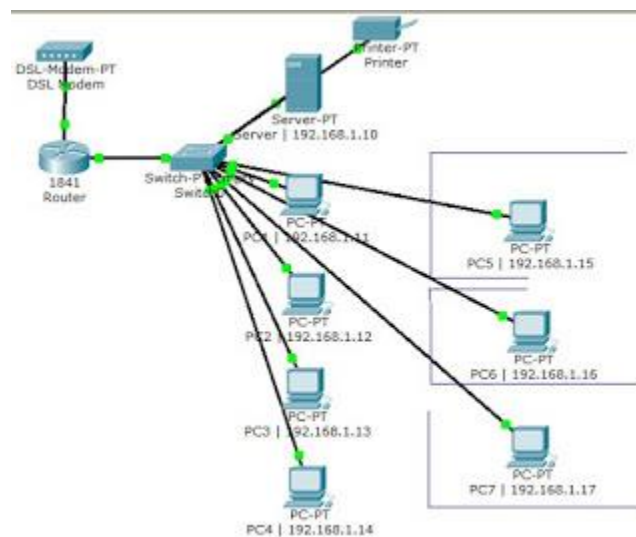


Desain Jaringan Seperti Berikut :

1. 1 buah DSL modem
2. 1 Router untuk menghubungkan 2 jaringan yang berbeda (jaringan lan(warnet) dengan modem)
3. 1 Switch
4. 7 PC user
5. 1 Server & Printer

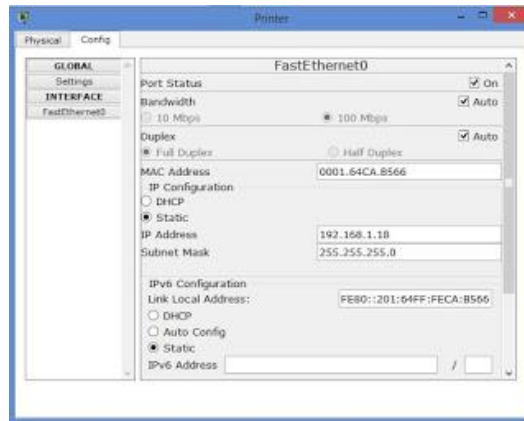
Semuanya dikoneksikan dengan menggunakan kabel **straight - through**



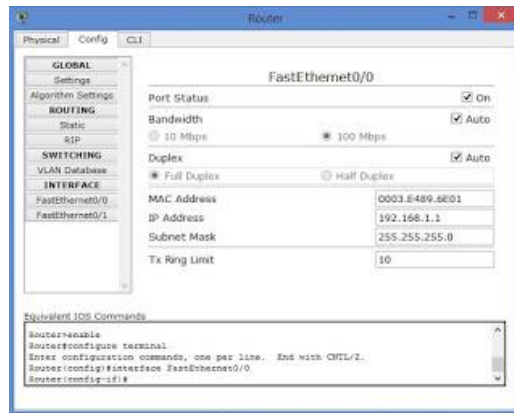
Setting **server** dengan mengklik gambar servernya. lalu ikuti seperti gambar di bawah



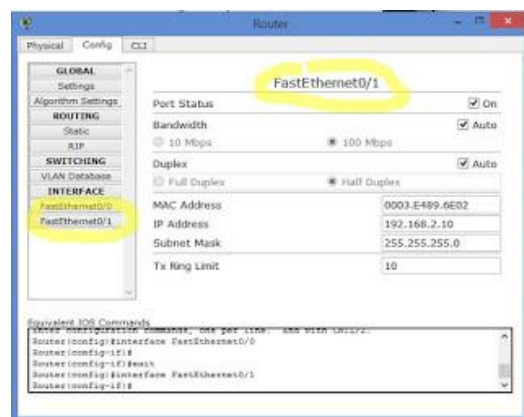
Setting printernya seperti gambar



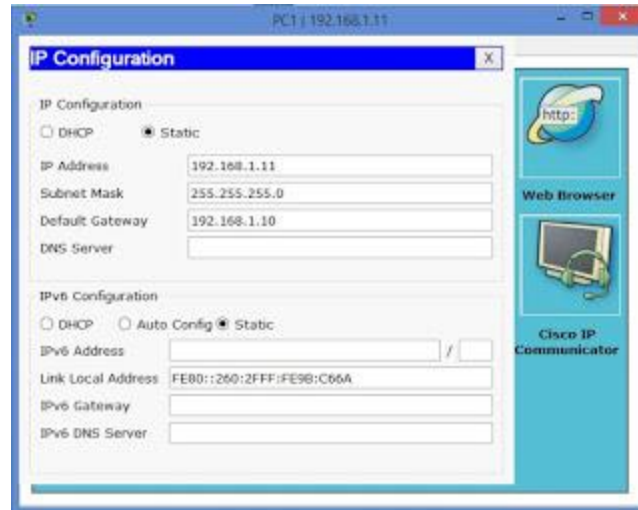
Setting Router



IP yang dibuat diatas merupakan gateway yang menuju suatu jaringan LAN.



Sementara di gambar yang ini, IP nya mengacu ke MODEM



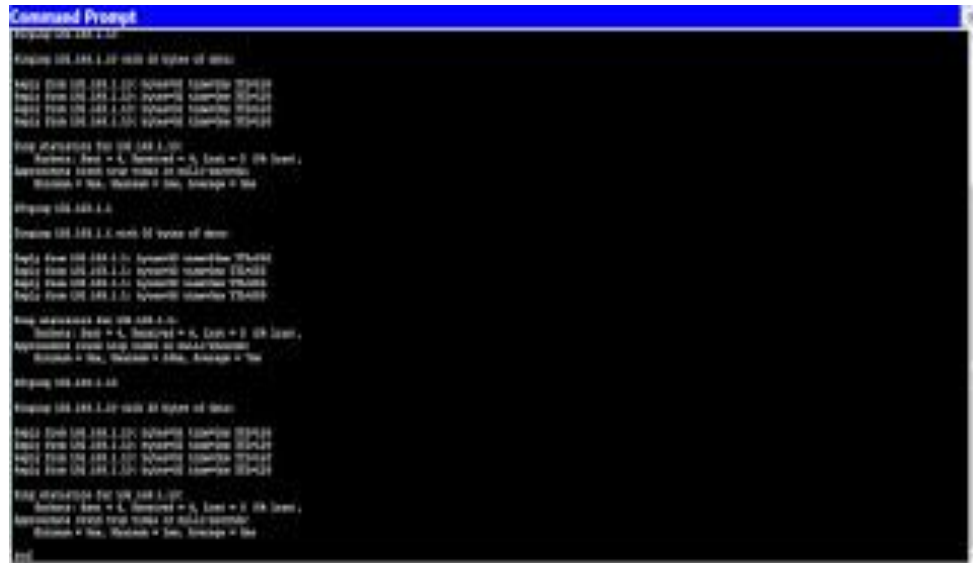
gambar di atas salah satu contoh setting PC

Berikut List IP yang ada pada jaringan

Perangkat	IP Address	Gateway
Server	192.168.1.10	-
Printer	192.168.1.18	-
PC 1	192.168.1.11	192.168.1.1
PC 2	192.168.1.12	192.168.1.1
PC 3	192.168.1.13	192.168.1.1
PC 4	192.168.1.14	192.168.1.1
PC 5	192.168.1.15	192.168.1.1
PC 6	192.168.1.16	192.168.1.1
PC 7	192.168.1.17	192.168.1.1

Lalu kita coba TEST apakah semuanya sudah terkoneksi atau belum dengan melakukan ping pada command prompt.

Klik salah satu PC -> Tab Desktop -> C o m m a n d P r o m p t



```
Command Prompt
C:\Users\User>ping 192.168.1.100

Pinging 192.168.1.100 with 32 bytes of data:

Reply from 192.168.1.100: bytes=32 time=10ms TTL=64
Reply from 192.168.1.100: bytes=32 time=10ms TTL=64
Reply from 192.168.1.100: bytes=32 time=10ms TTL=64
Reply from 192.168.1.100: bytes=32 time=10ms TTL=64

Ping statistics for 192.168.1.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milliseconds:
        Minimum = 10ms, Maximum = 10ms, Average = 10ms

C:\Users\User>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=10ms TTL=64
Reply from 192.168.1.1: bytes=32 time=10ms TTL=64
Reply from 192.168.1.1: bytes=32 time=10ms TTL=64
Reply from 192.168.1.1: bytes=32 time=10ms TTL=64

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milliseconds:
        Minimum = 10ms, Maximum = 10ms, Average = 10ms

C:\Users>User>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time=10ms TTL=64
Reply from 192.168.1.10: bytes=32 time=10ms TTL=64
Reply from 192.168.1.10: bytes=32 time=10ms TTL=64
Reply from 192.168.1.10: bytes=32 time=10ms TTL=64

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milliseconds:
        Minimum = 10ms, Maximum = 10ms, Average = 10ms

C:\Users>User>
```

Pada gambar ada keterangan **reply**, berarti jaringan yang kita buat sudah terkoneksi.