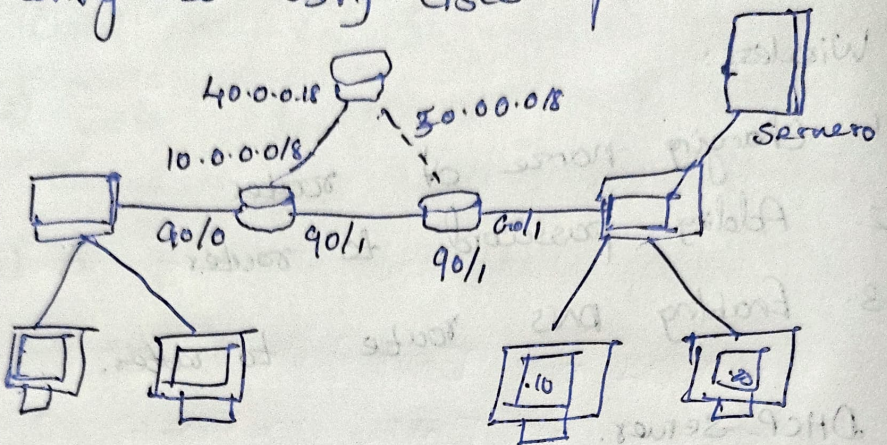


# Experiment - 11

Aim: a) Simulate static routing configuration using Cisco packet tracer



Adding Routes:

```
# ip route 20.0.0.0 255.0.0.0 20.0.0.210
# ip route 30.0.0.0 255.0.0.0 10.0.0.220
```

Router	Available local	Network on other route
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Router 0	10.0.0.0/8, 20.0.0.0/8, 40.0.0.0/8	30.0.0.0/8, 50.0.0.0/8
----------	--	---------------------------

Router 1	10.0.0.0/8, 30.0.0.0/8, 50.0.0.0/8	10.0.0.0/8, 40.0.0.0/8
----------	--	---------------------------

Router 2	40.0.0.0/8, 50.0.0.0/8	10.0.0.0/8, 20.0.0.0/8, 30.0.0.0/8
----------	---------------------------	--



Router 0

enable

Configure terminal

```
ip route 30.0.0.0 255.0.0.0 20.0.0.2 16
ip route 30.0.0.0 255.0.0.0 40.0.0.2 20
ip route 30.0.0.100 255.255.255.255 40.0.0.2 10
ip route 30.0.0.100 255.255.255.255 20.0.0.2 20
ip route 50.0.0.0 255.0.0.0 40.0.0.2 10
ip route 50.0.0.0 255.0.0.0 20.0.0.2 20
exit
```

show ip route static

30.0.0.0/8 is variables subnetted, 2 subnets,  
2 masks

```
S 30.0.0.0/8 [0/0] via 20.0.0.2
S 30.0.0.100/32 [0/0] via 40.0.0.2
S 30.0.0.0/8 [0/0] via 40.0.0.2
```

Router 1

enable

Configure terminal

```
ip route 10.0.0.0 255.0.0.0 20.0.0.1 16
ip route 10.0.0.0 255.0.0.0 50.0.0.1 20
ip route 40.0.0.0 255.0.0.0 20.0.0.1 16
ip route 40.0.0.0 255.0.0.0 30.0.0.1 20
exit
```

show ip route static

```
S 10.0.0.0/8 [0/0] via 20.0.0.1
S 40.0.0.0/8 [0/0] via 20.0.0.1
```



Router 2

enable

Configure Terminal

ip route 10.0.0.0 255.0.0.0 40.0.0.1

ip route 30.0.0.0 255.0.0.0 50.0.0.2

exit

Show ip route static

8 10.0.0.0/8 [1/0] via 40.0.0.1

8 30.0.0.0/8 [1/0] via 50.0.0.2