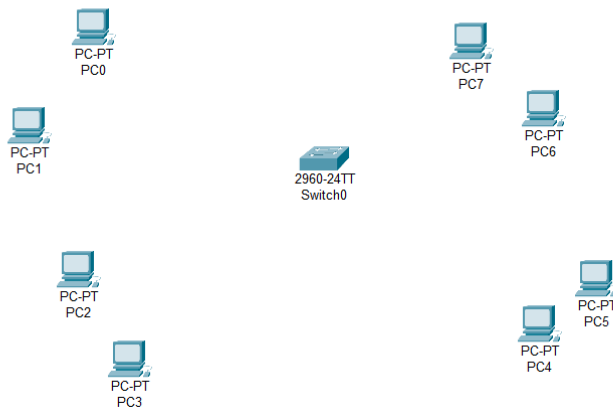


Labwork

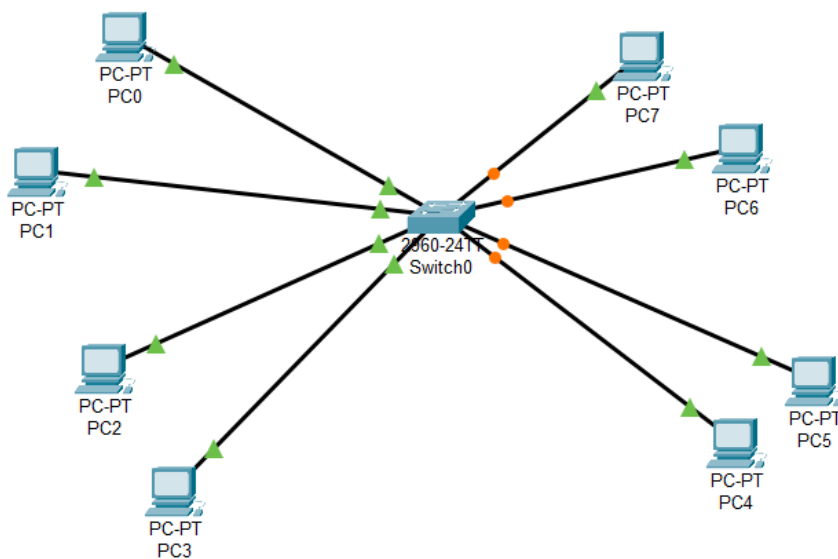
In cisco packet tracer:

Step 1: First of all, add switch and 8 PCs around a switch. 8 PCs are:

- PC 0 and 1 is for Computer Department.
- PC 2 and 3 is for Civil Department.
- PC 4 and 5 is for Electronics Department.
- PC 6 and 7 is for Administrator Department.



Step 2: Connect all PCs in switch with help of copper straight through wire by selecting 'FastEthernet' in switch and PCs.



Step 3: Click on 'Desktop' option and go to IP Configuration. Select static and set IP address and subnet. Do this process all PCs.

For PC0:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.1
Subnet Mask	255.255.255.0

For PC1:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.126
Subnet Mask	255.255.255.0

For PC2:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.129
Subnet Mask	255.255.255.0

For PC3:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.190
Subnet Mask	255.255.255.0

For PC4:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.193
Subnet Mask	255.255.255.0

For PC5:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.222
Subnet Mask	255.255.255.0

For PC6:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.225
Subnet Mask	255.255.255.0

For PC7:

IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	202.50.70.254
Subnet Mask	255.255.255.0

Step 4: Go to command prompt and ping the IP address.

```
C:\>ping 202.50.70.126
```

```
Pinging 202.50.70.126 with 32 bytes of data:
```

```
Reply from 202.50.70.126: bytes=32 time<1ms TTL=128
```

```
Reply from 202.50.70.126: bytes=32 time<1ms TTL=128
```

```
Reply from 202.50.70.126: bytes=32 time<1ms TTL=128
```

```
Reply from 202.50.70.126: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 202.50.70.126:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>ping 202.50.70.224
```

```
Pinging 202.50.70.224 with 32 bytes of data:
```

```
Request timed out.
```

```
Request timed out.
```

```
Request timed out.
```

```
Request timed out.
```

```
Ping statistics for 202.50.70.224:
```

```
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```