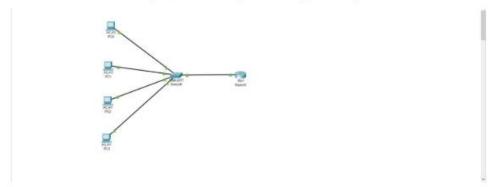
CSC 329 Project Report

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Step 1:

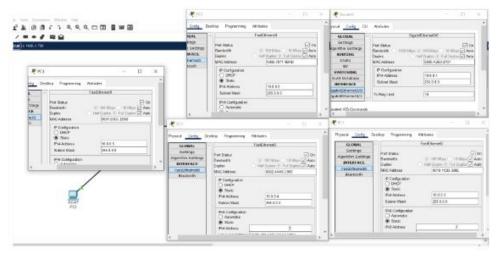
We create a local network composed of one router, one switcher, and 4 computers.



Step 2:

We Assign IP addresses to the different components of the network using the class A.

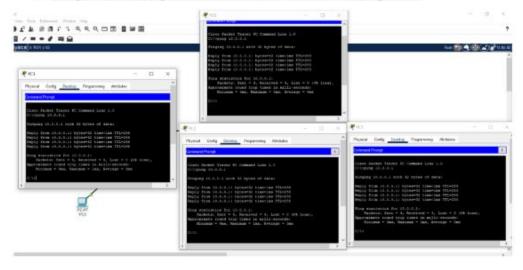
Class A has a range form 0 to 127 it will provide us a large number of unique IP addresses.



Step 3:

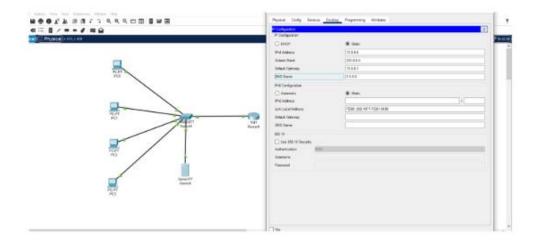
We Verify the connectivity between the different computers and the router using the CMD command ping with the following steps:

- 1- Open the Command Prompt on each computer.
- 2- Using command 'ping' with the IP address of the router. EX ping 10.0.0.



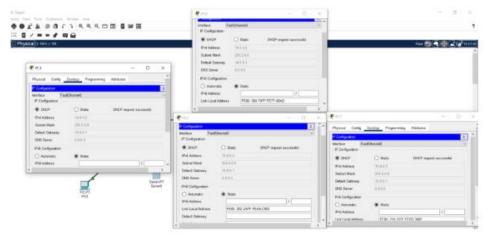
Step 4:

We Added a DHCP server to the network and connected to the switcher.



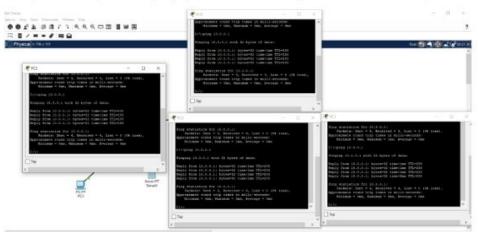
Step 5:

We Configured the server to assign dynamic IP addresses using the DHCP server as the following.



Step 6:

We repeated the step 3 after assigning dynamic IP addresses using the DHCP server to the computers.



Finally we tested to send a messages and it successfully received from different computers.

1-from PCO to the other PCS.

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	Successful	PC0	PC3	ICMP		0.000	N	2	(edit)		(delete)	
-	Successful	PCII	PG0	ICMP	•	0.000	N	3	(edit)		(delete)	
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3-11-6		, tile o	ther PCS									
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