Computer Networks-Lab 02

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CL30001 – Computer Networks-Lab

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NATIONAL UNIVERSTIY OF COMPUTER AND EMERGING SCIENCES, FAST- PESHAWAR CAMPUS
Department of Computer Science & Software Engineering

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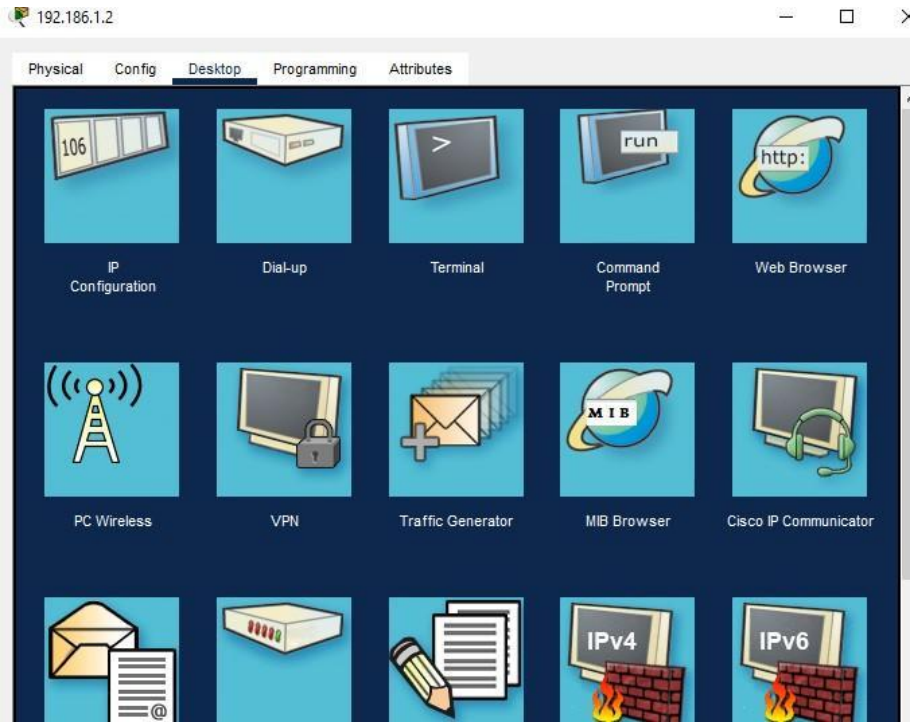
Section: **BSCS-5B**

Task #01

First both pc are connected through wire

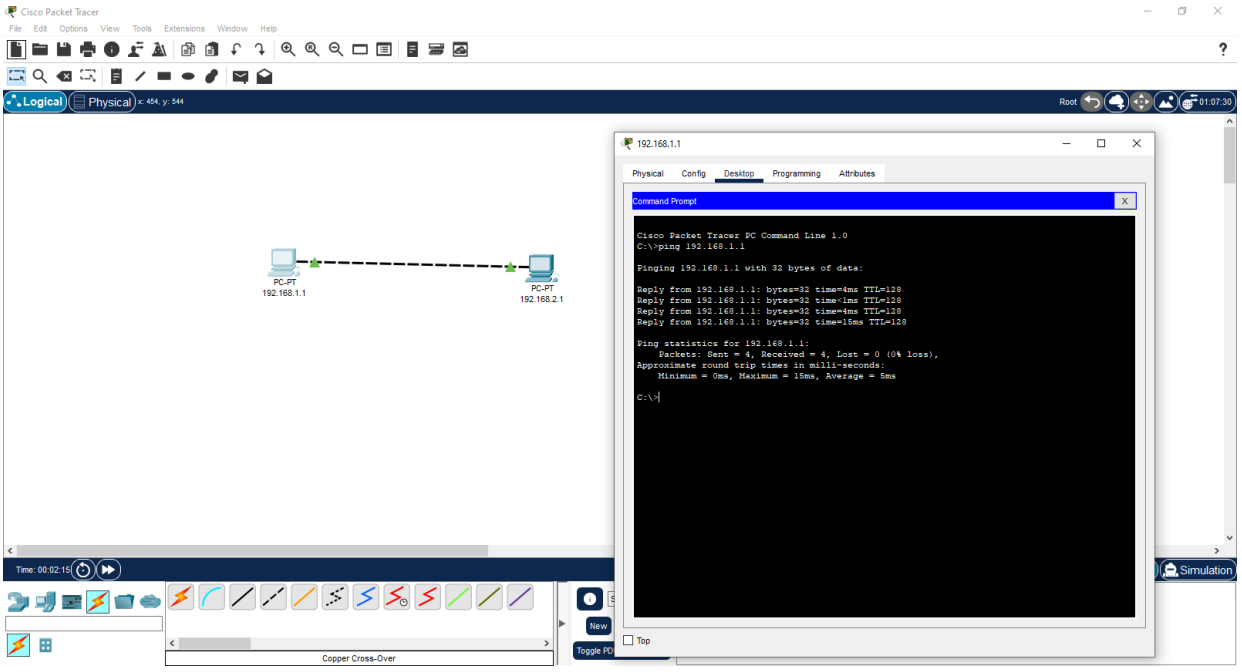
IP configured for both PCS to get subnet mask.

Configured the IP addresses of both PC’s



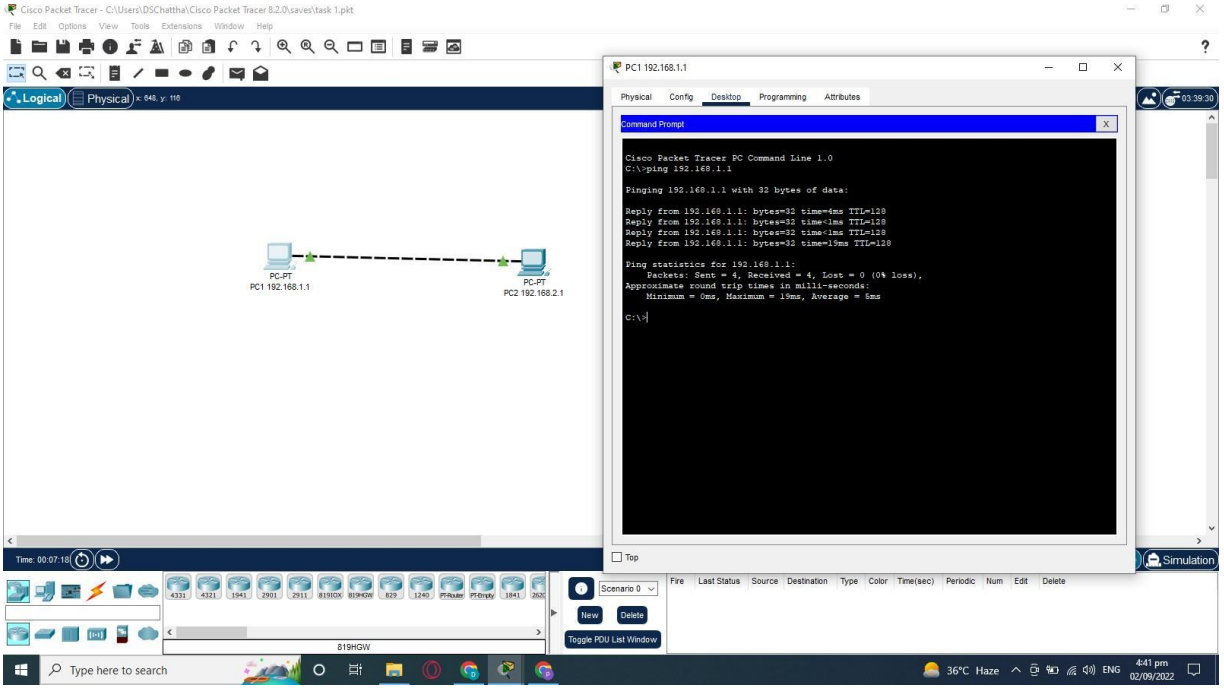
Using ping command message is sent to other pc connected

1.1

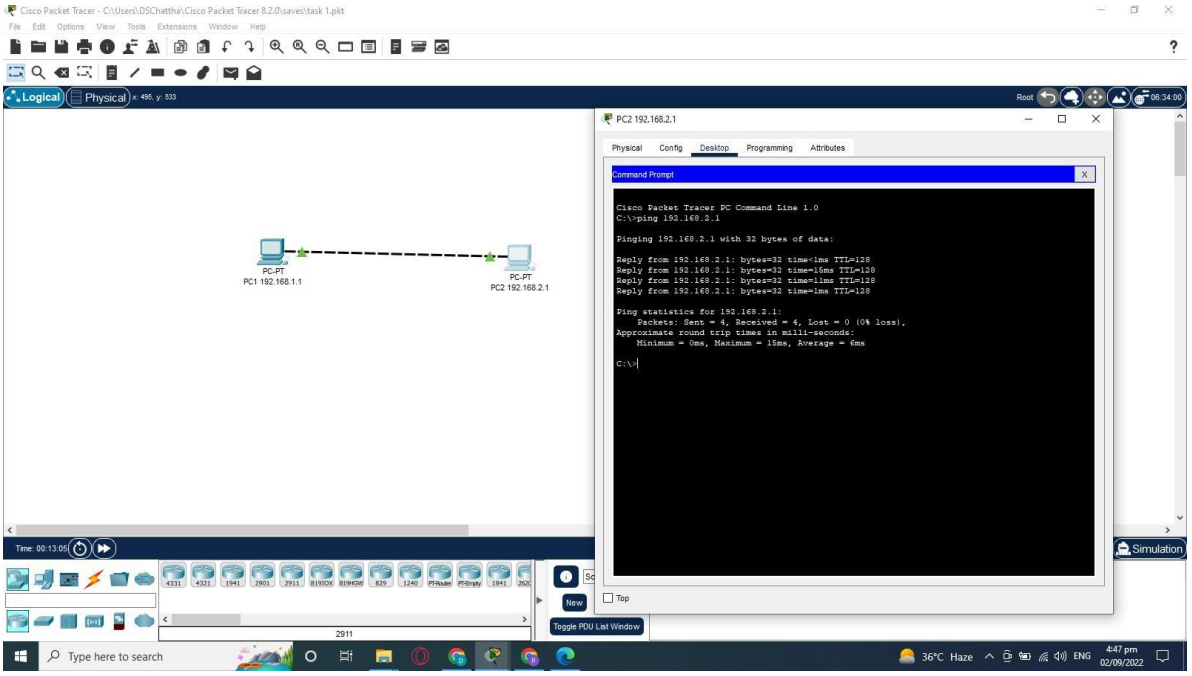


Message transmission to destination is successful

1.2



1.3



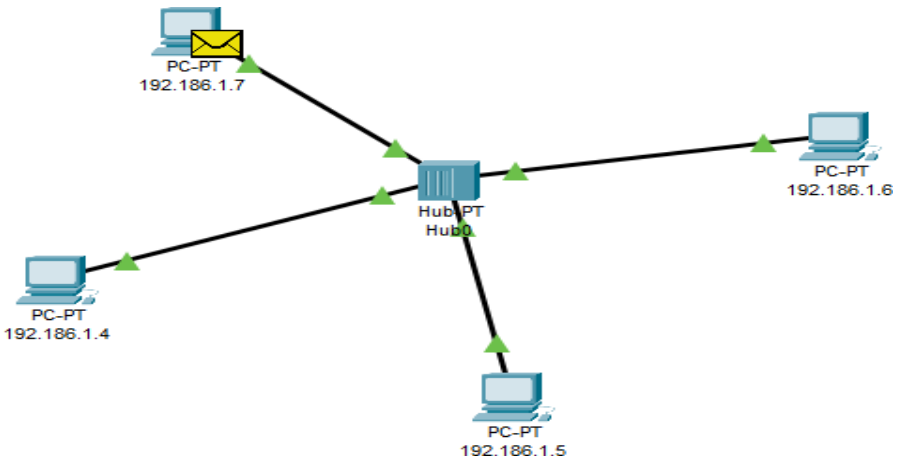
TASK #02

First we configure IP of every PC.

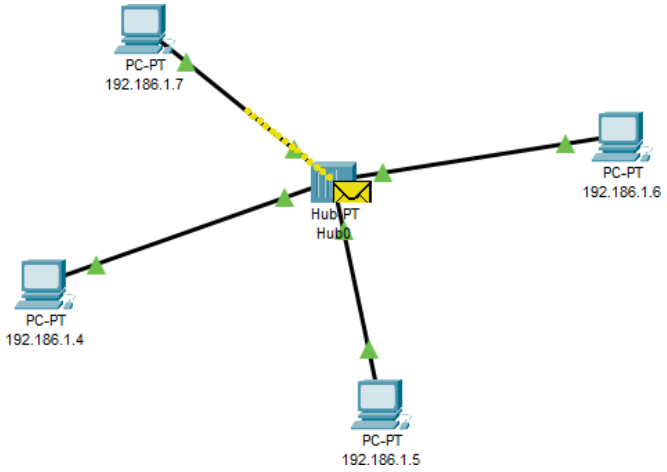
Then we select destination and source for our message.

Then we simulate to see message transmission .

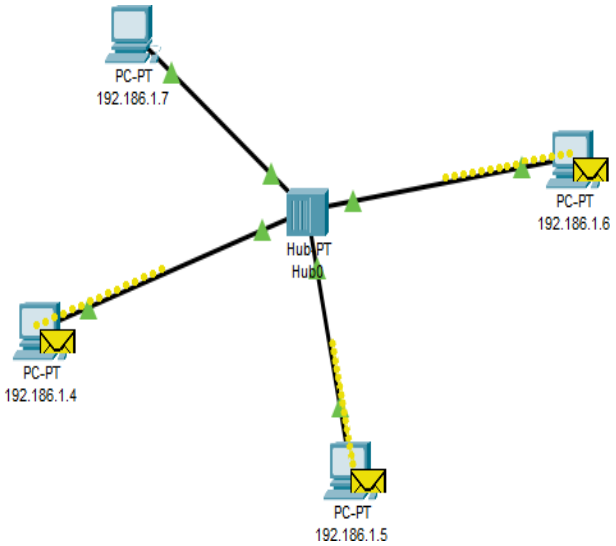
Destination and source pc are selected here.



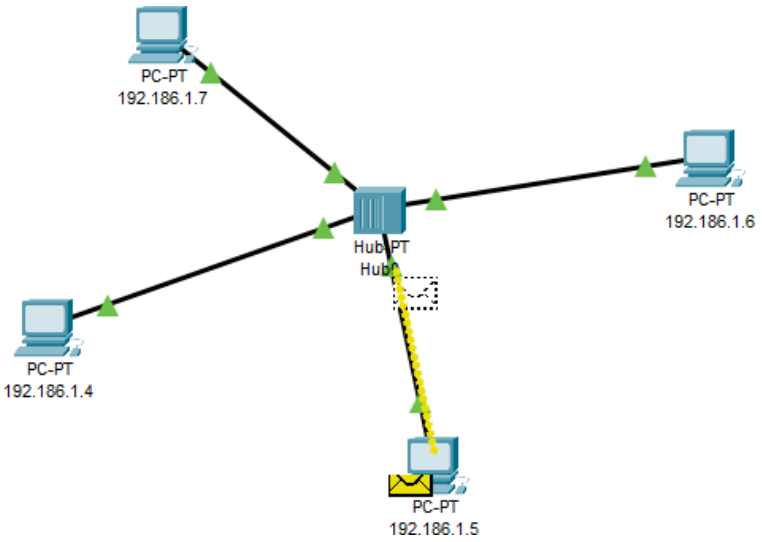
Message is sent from source to hub

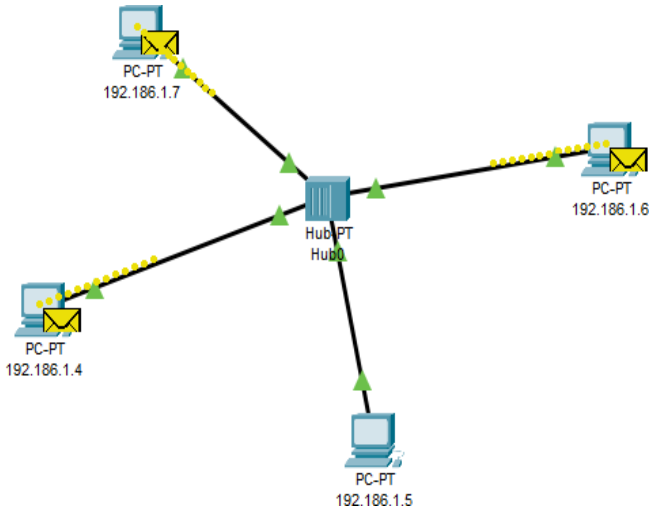


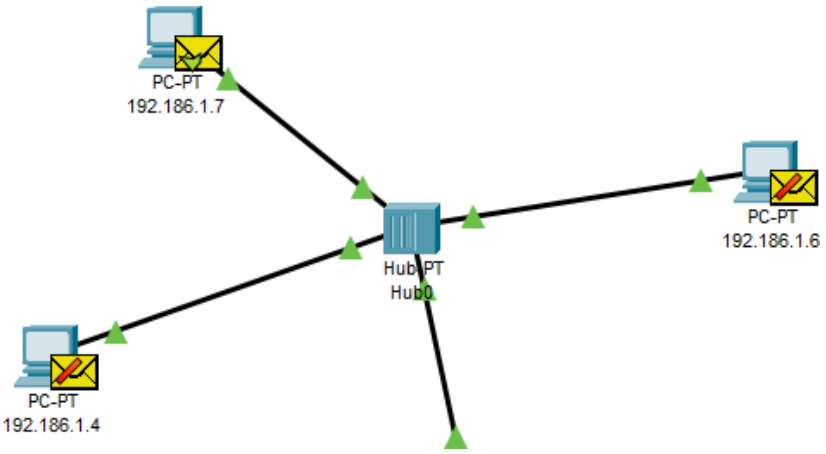
Now hub sent message to all pc's (Broadcasting)



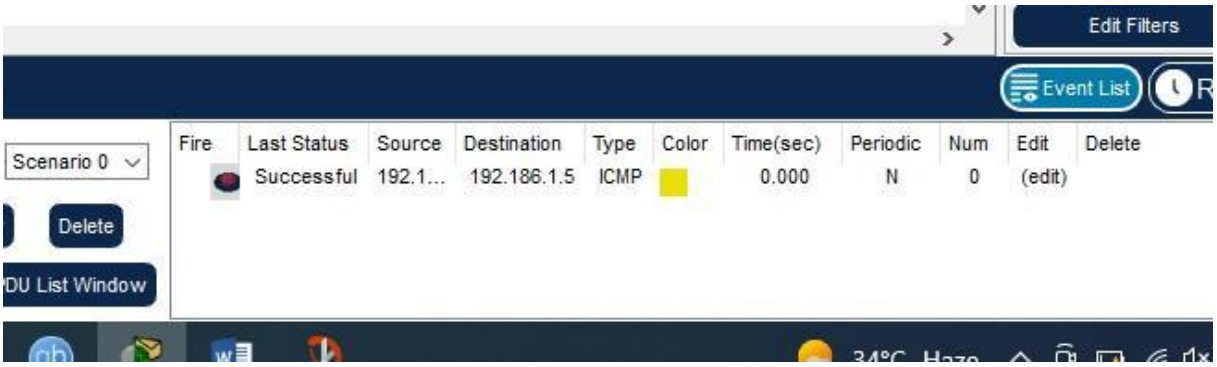
Destination Pc accepted message from hub


PC-PT
192.186.1.7
PC-PT
192.186.1.6
Hub-PT
Hub
PC-PT
192.186.1.4
PC-PT
192.186.1.5


PC-PT
192.186.1.7
PC-PT
192.186.1.6
Hub-PT
Hub0
PC-PT
192.186.1.4
PC-PT
192.186.1.5



Message transmission is successful



TASK#03

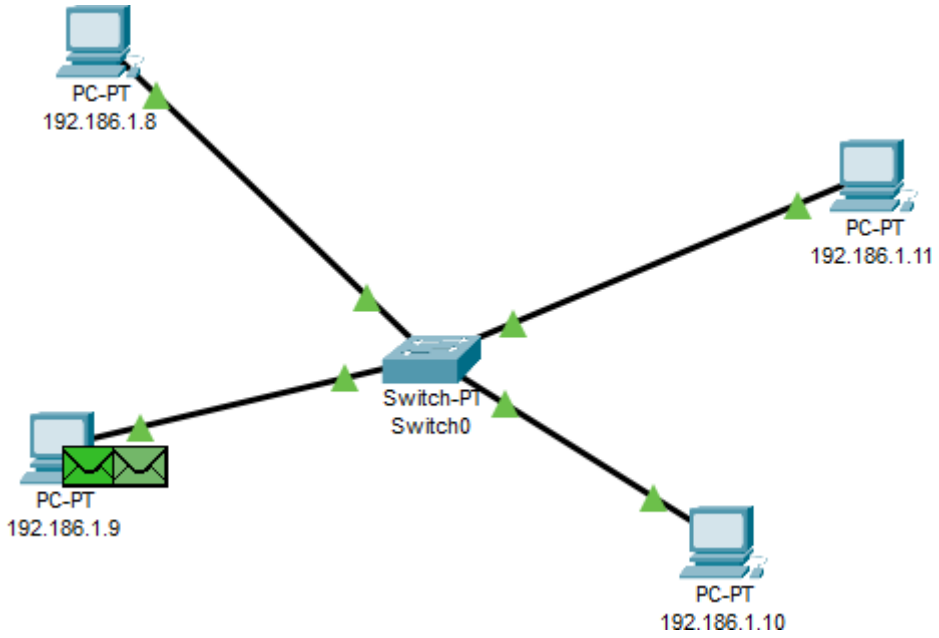
1-First we selected pc's and switch

2-Then we connected pc's and switch

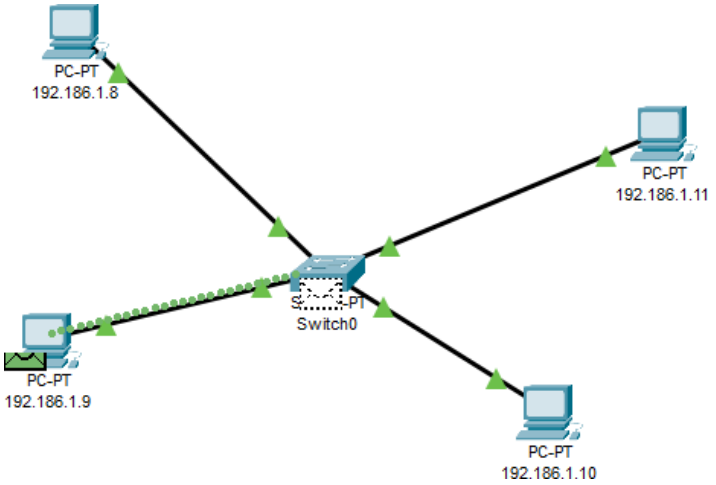
3-Then we configured IP of PC's

4- Then source(sender) pc and destination (receiver) pc are selected.

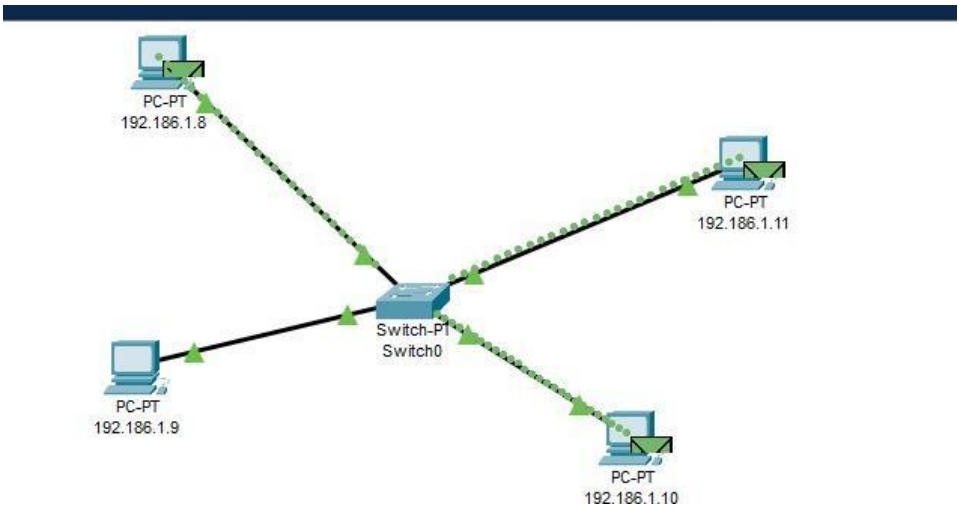
5-Then message is provided to source pc



Message is being sent from source pc to switch

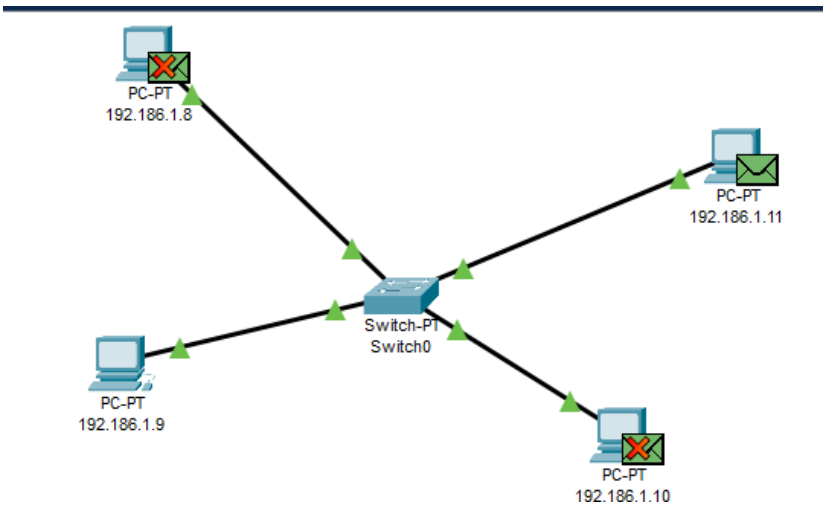


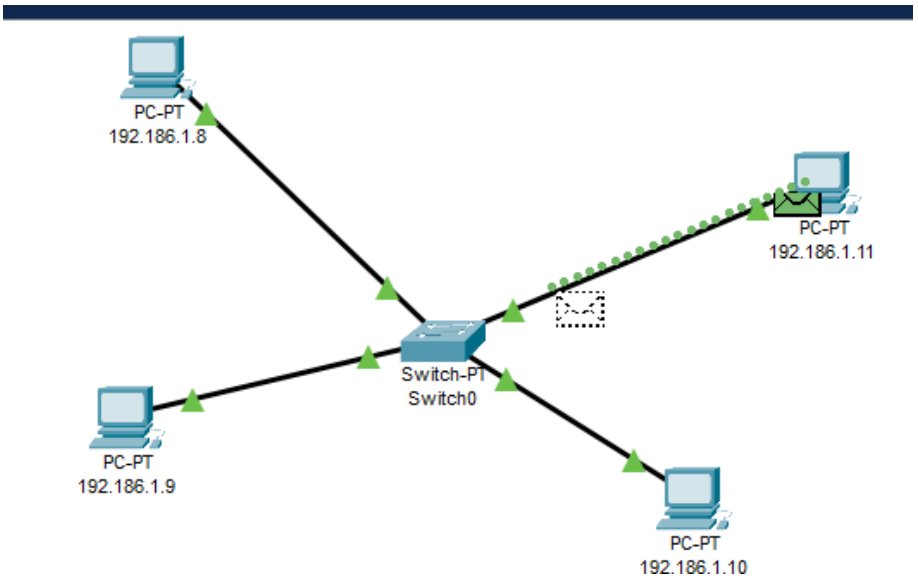
Switch sending message to all connected pc's (Broadcasting)

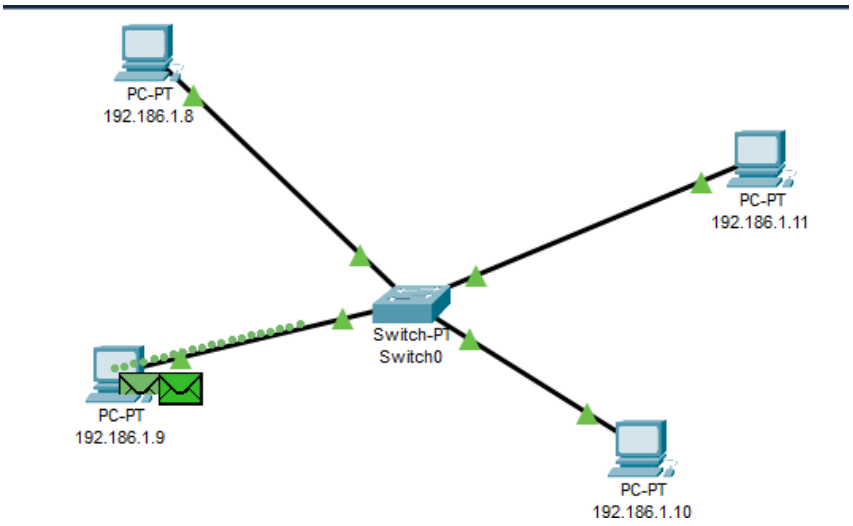


1-Switch sent message to all connected PC's(Broadcasting)

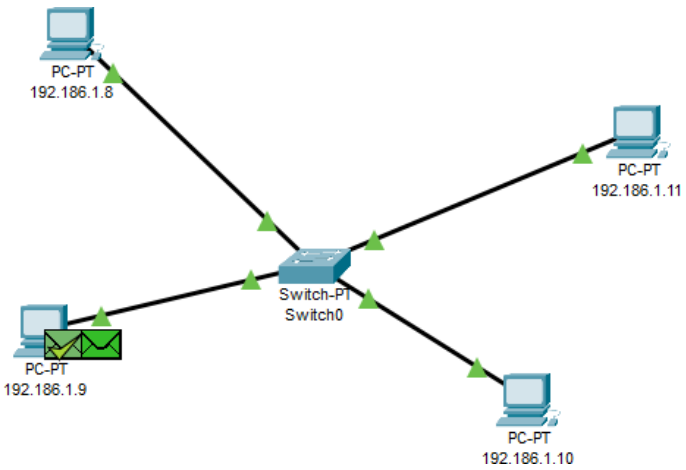
2- Receiver accepted the message while other PC's ignore the message







Message is back received by sender.


PC-PT
192.186.1.8
PC-PT
192.186.1.11
Switch-PT
Switch0
PC-PT
192.186.1.9
PC-PT
192.186.1.10