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Examination :Mid Term Exam

Paper Subject : Data Communication

and Networks (LAB)

Submitted To :SIR Ghassan Husnain

Dated : 19/04/2020

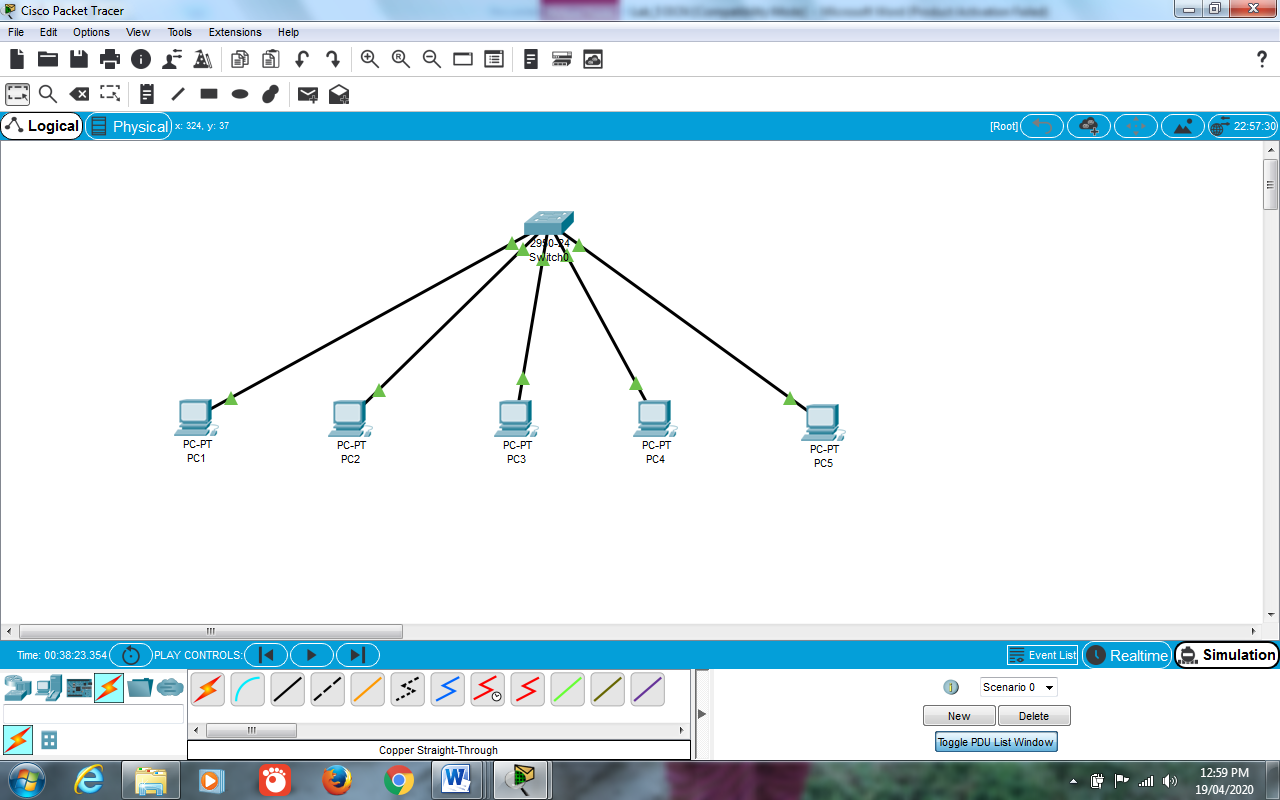
## 

## Task 1:

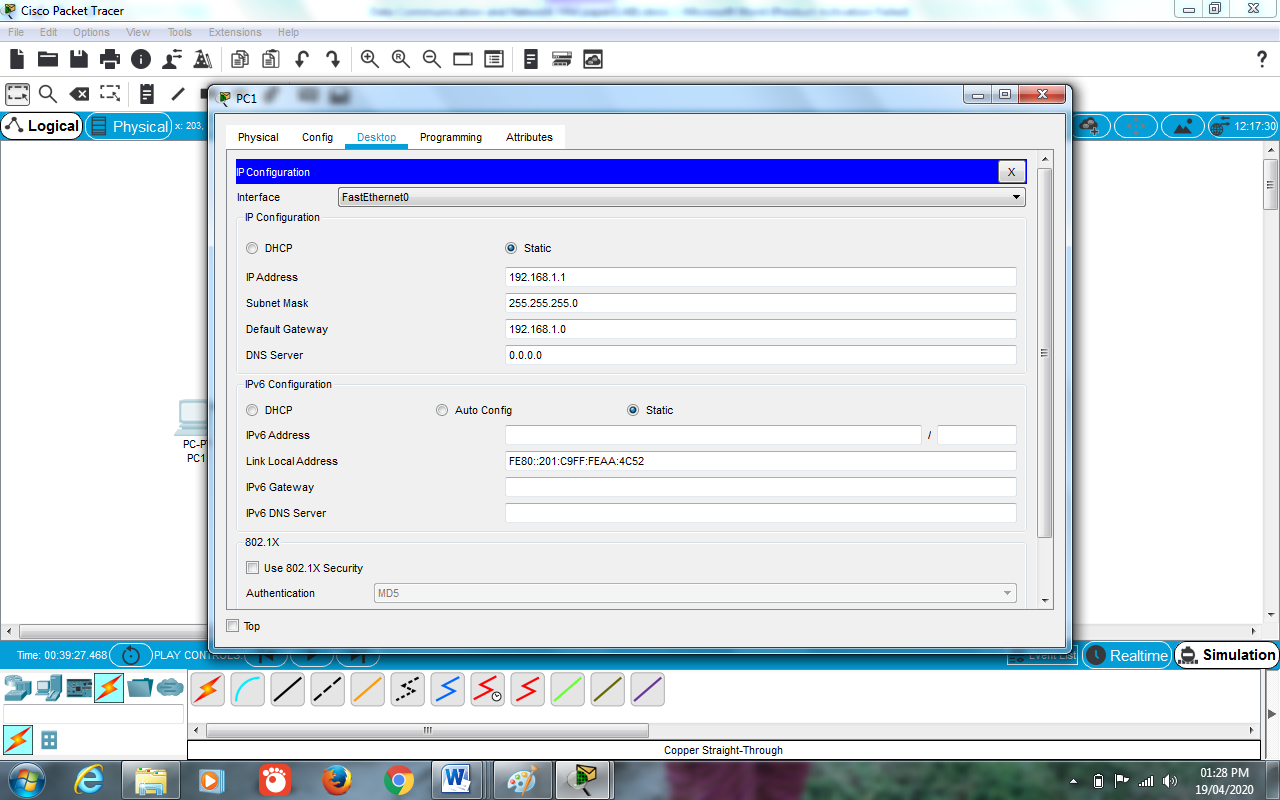
## Construct a network topology having one switch with connected with 5 PC’s with Fast Ethernet Cable, assign them proper IP addresses, subnet mask and default gateways and send message from PC5 to PC1 and demonstrate the simulation.

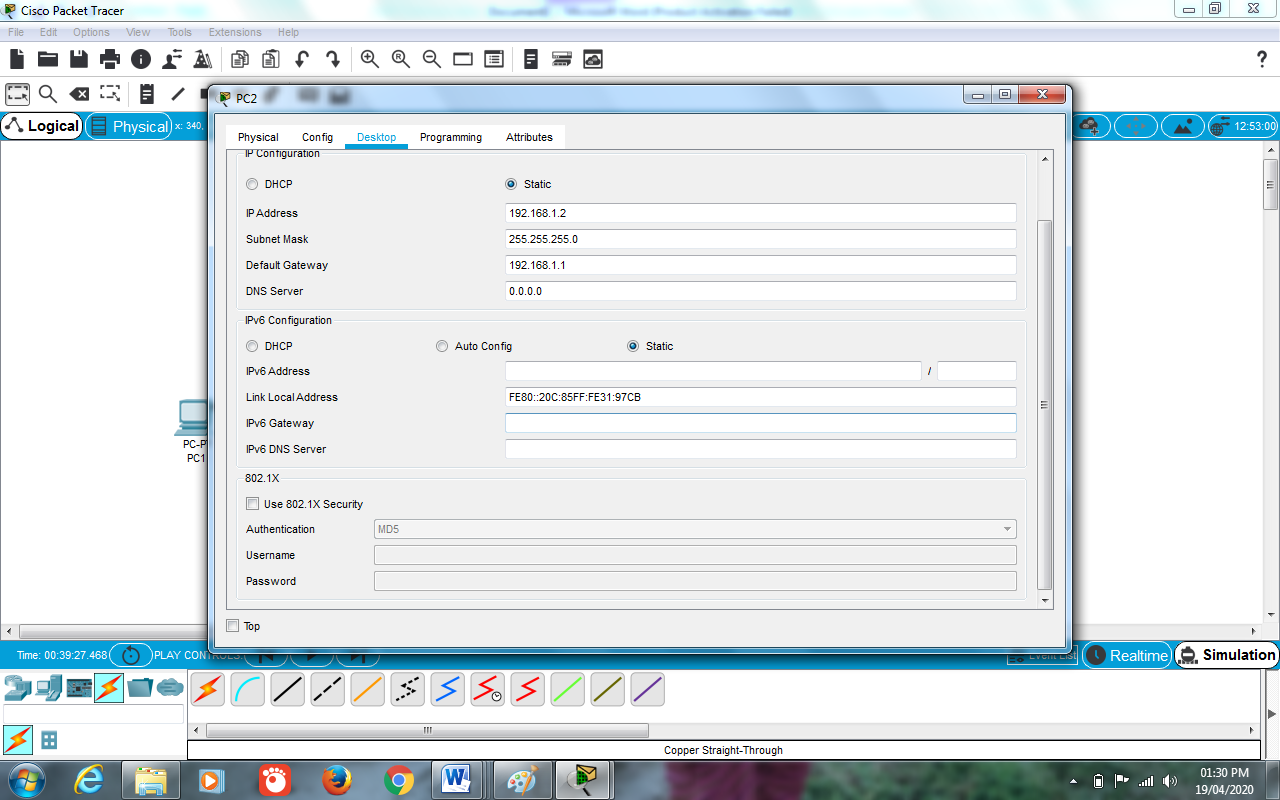
Ans:

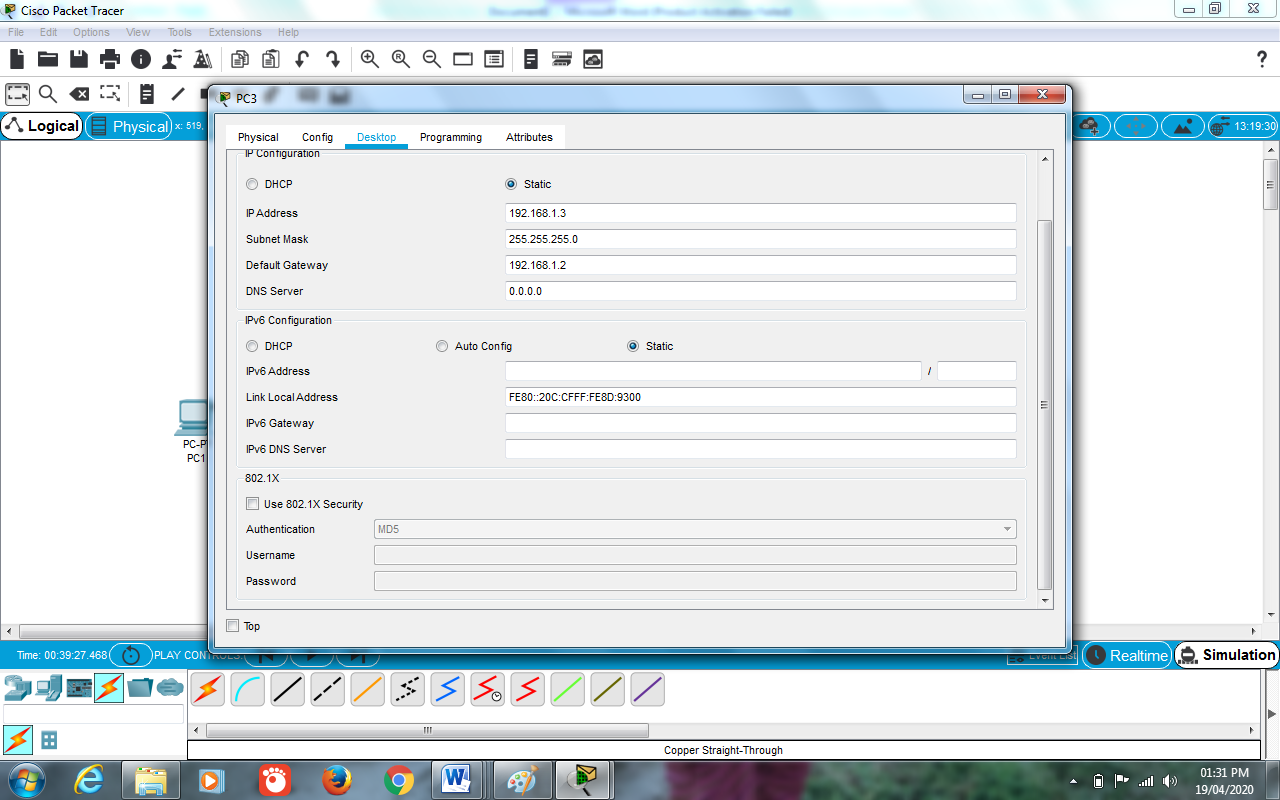
Construction:

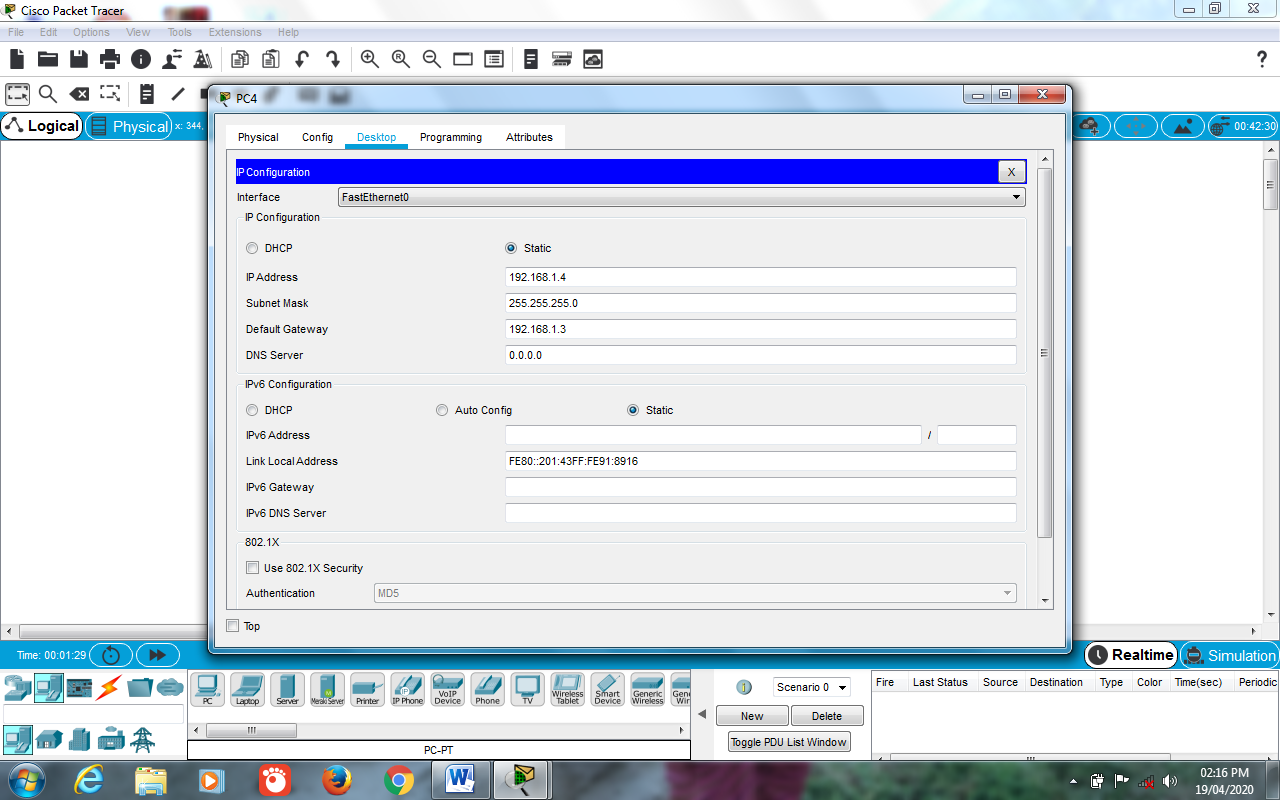


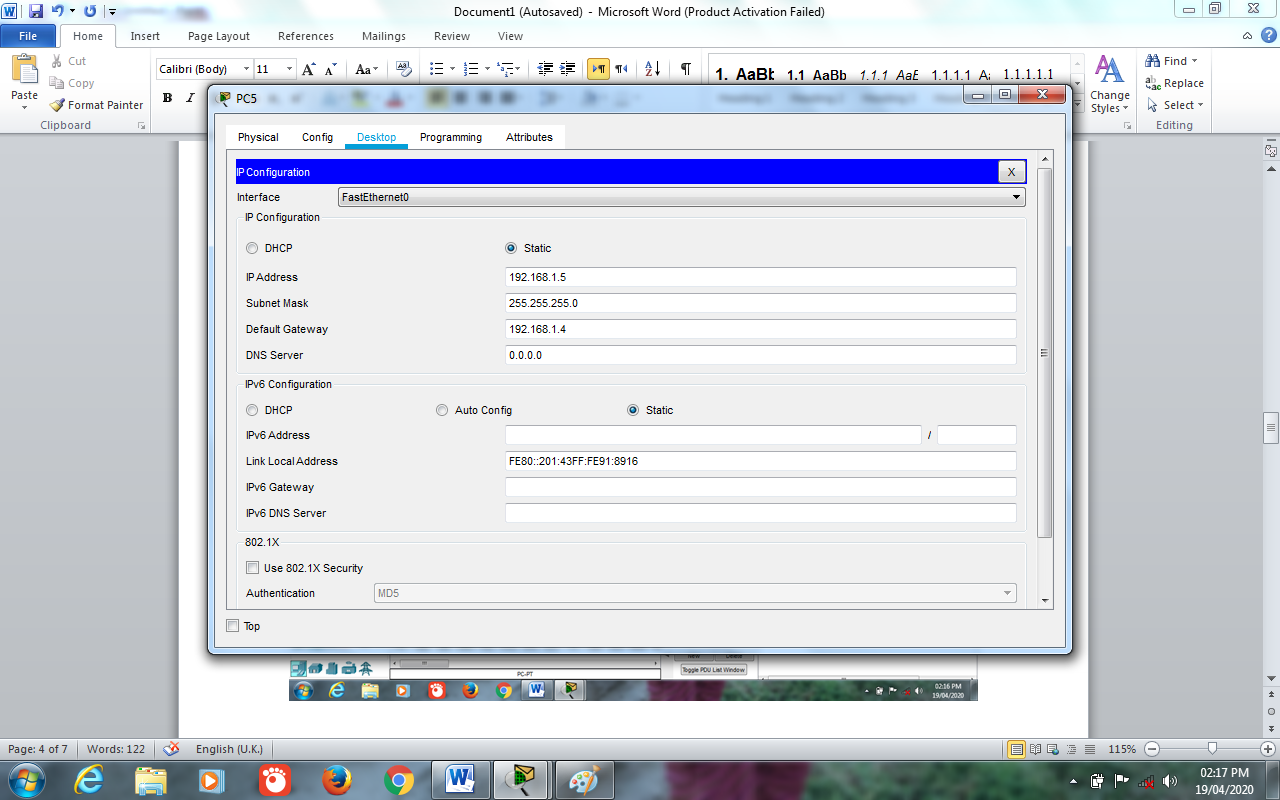
IP Addresses, Subnet Mask, Default Gateways:



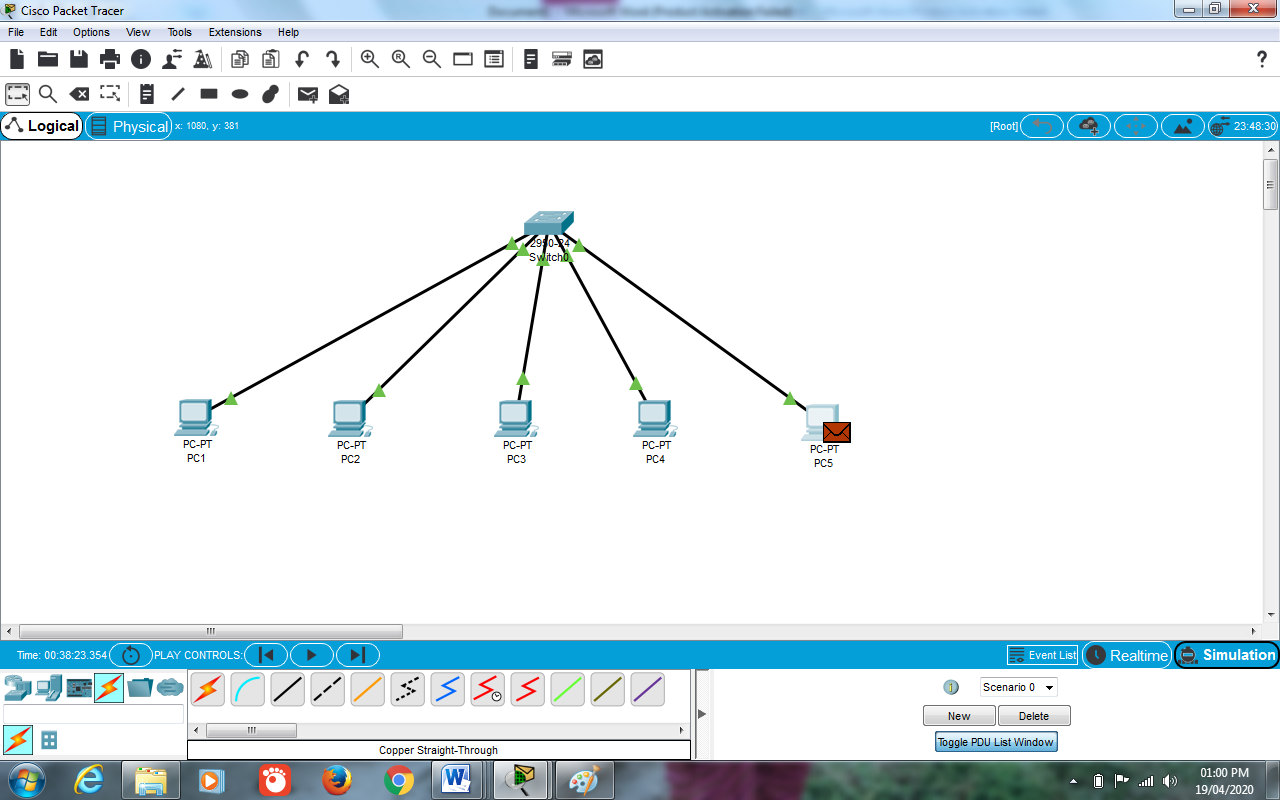


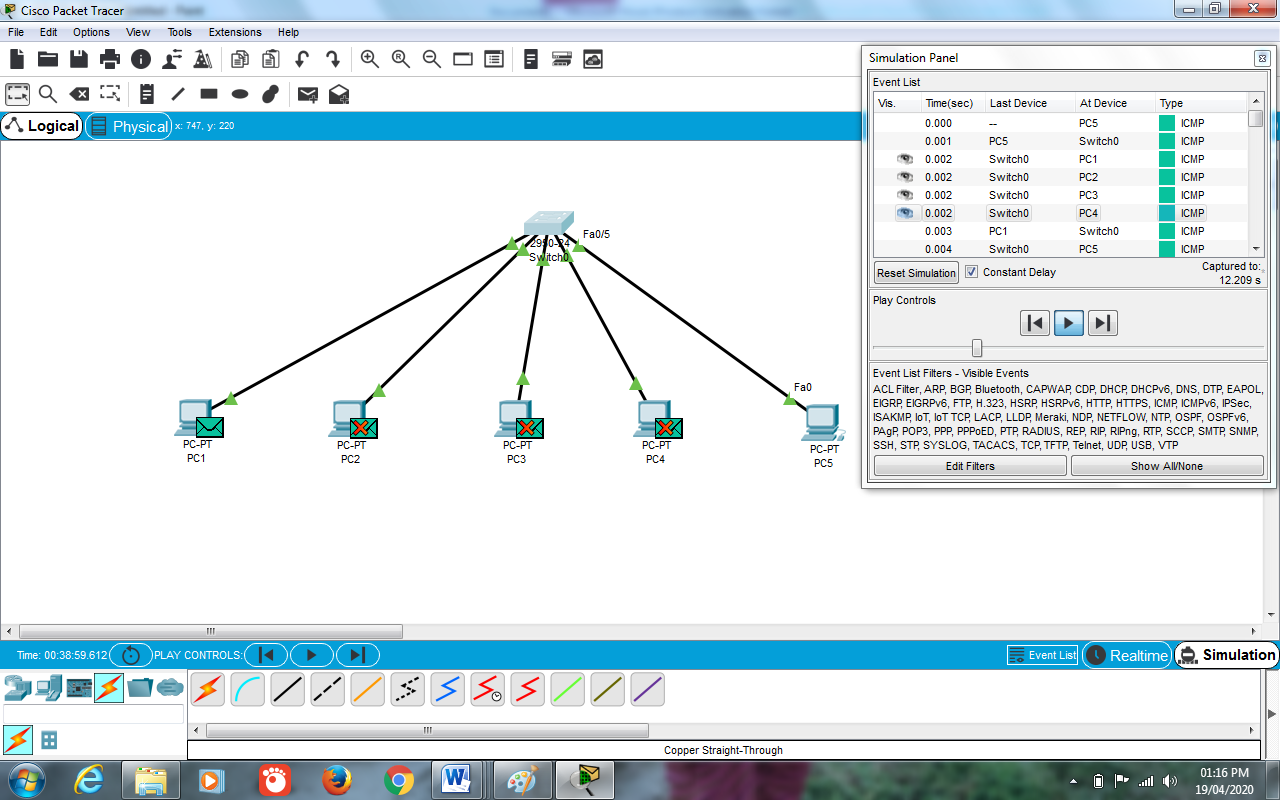


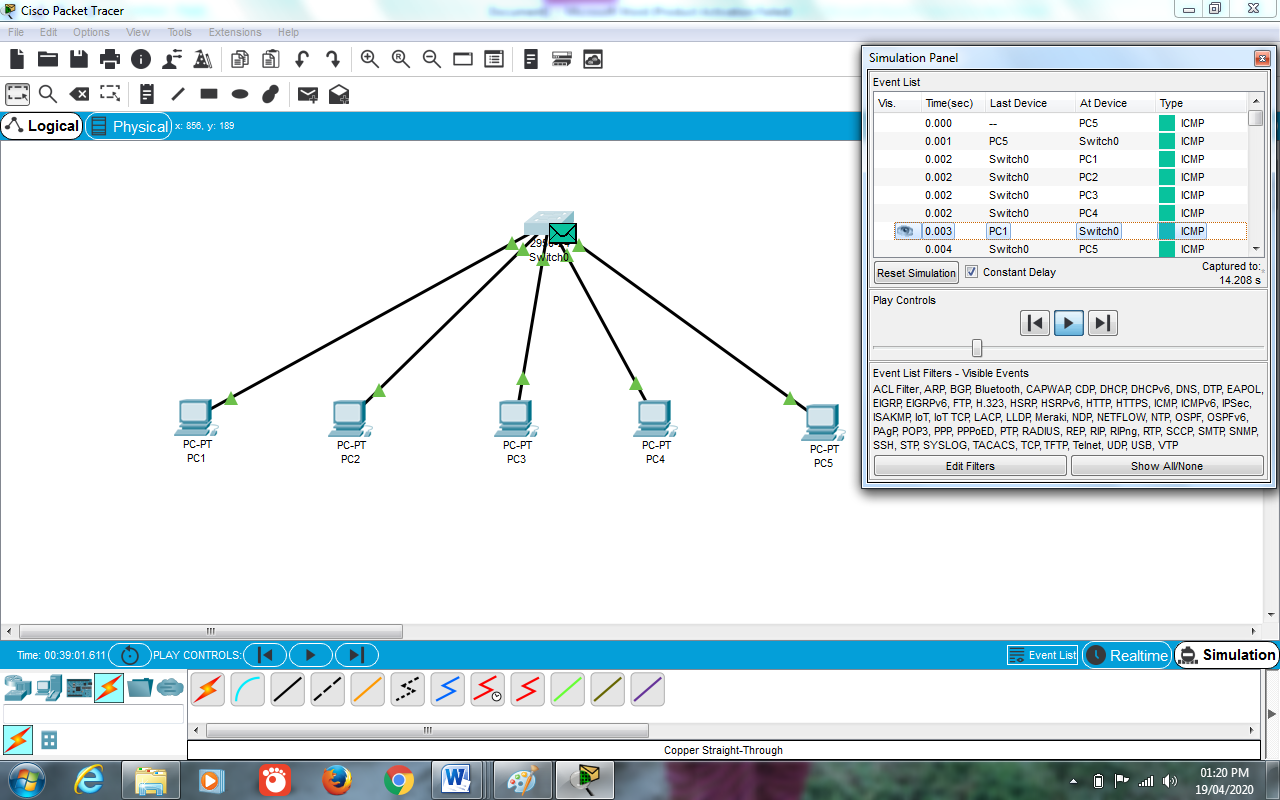


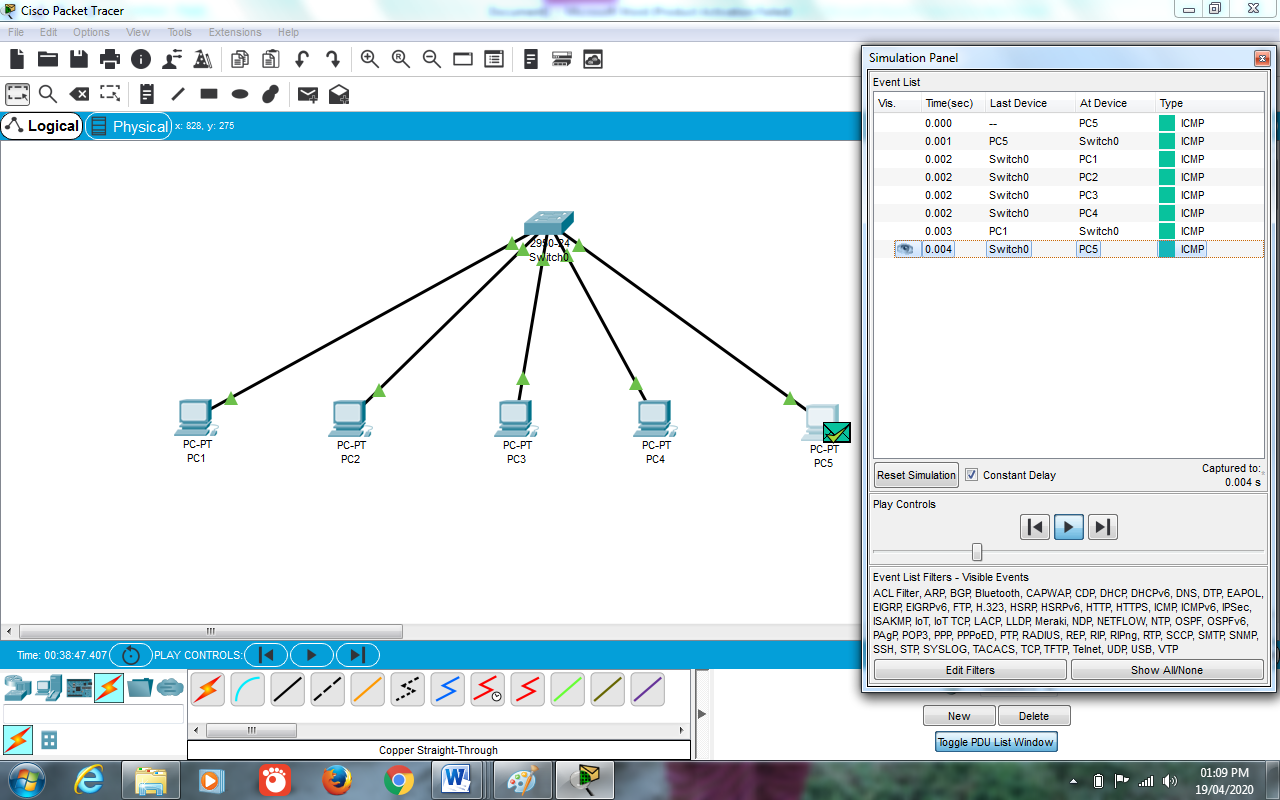


Send message and Simulation:







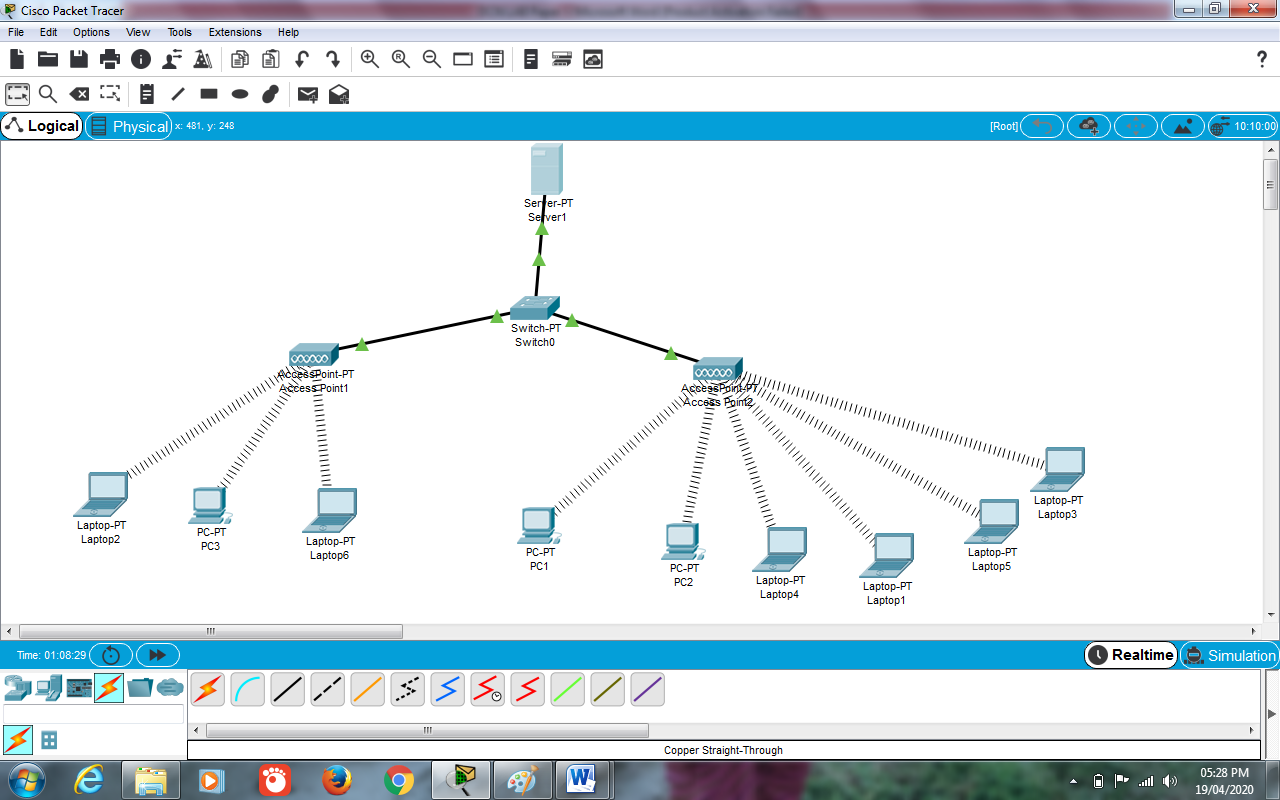


## Task 2:

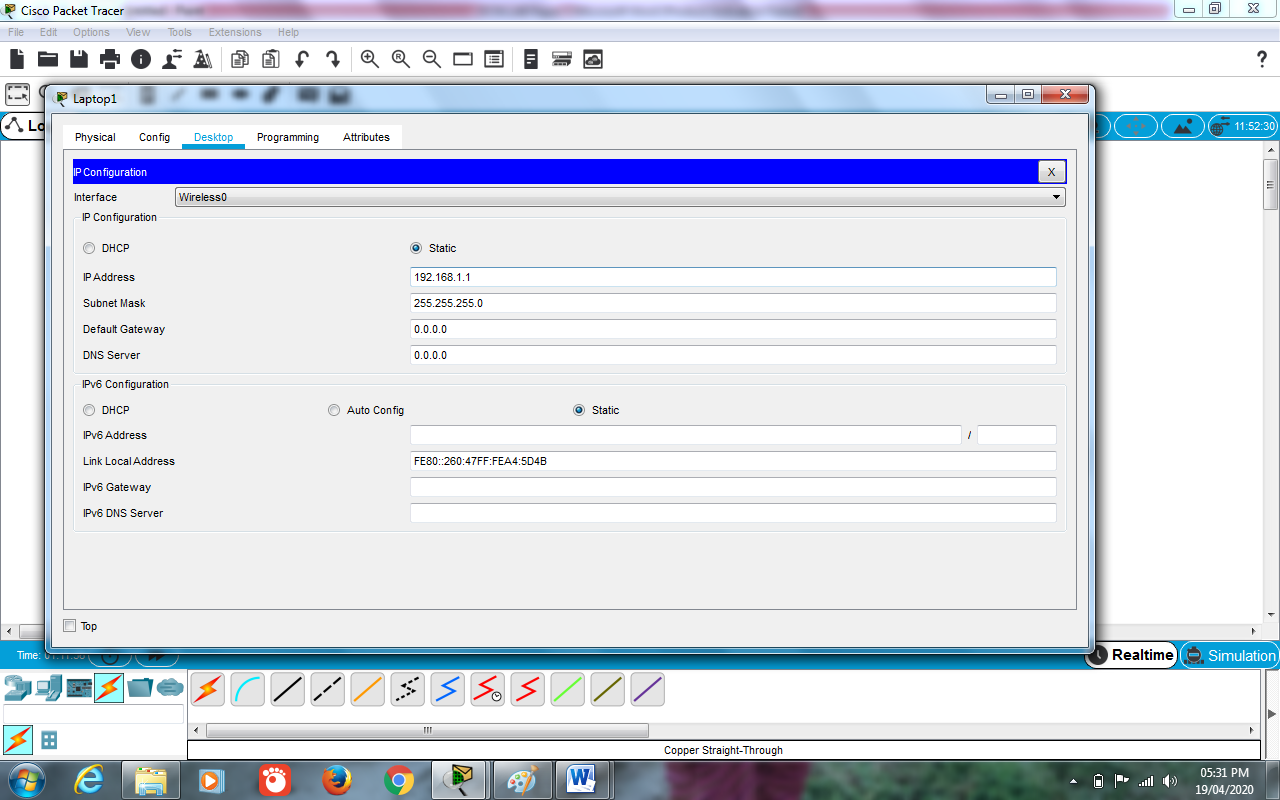
## Construct a client server model that have 9 hosts, three of them are computers, and other six hosts will be laptops, in which further connected to 2 access points through wireless channel, as three of them will be connected to access point 1 and other through access point 2, assign them IP address and subnet masks dynamically from the server. Moreover, access the HTTP server from the client and show the results.

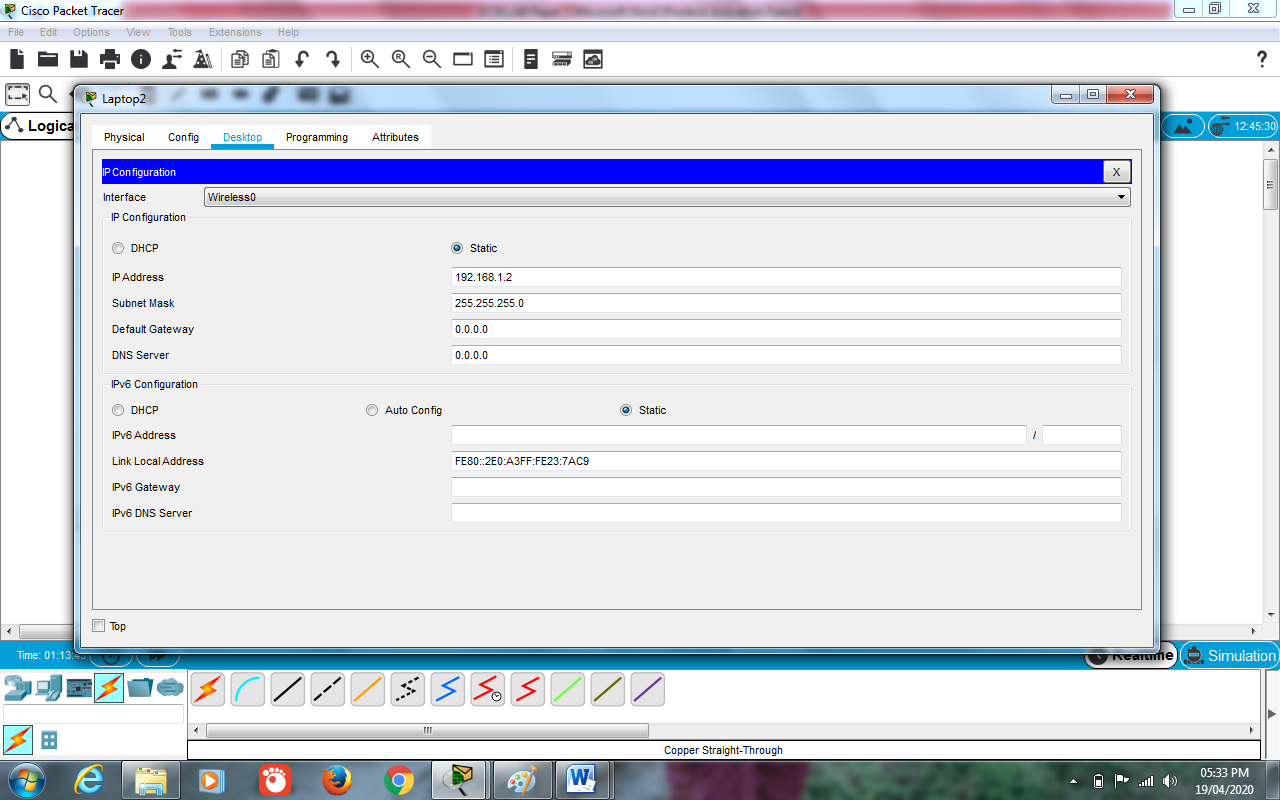
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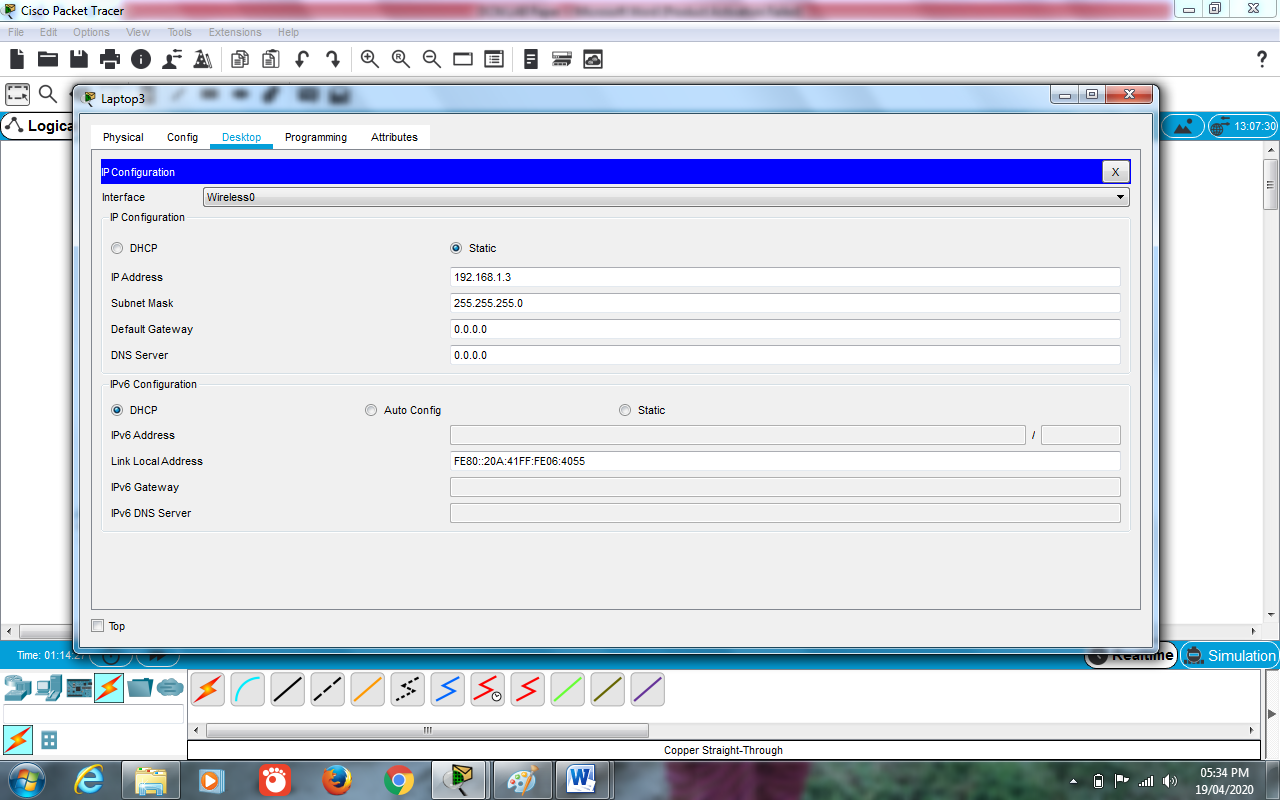
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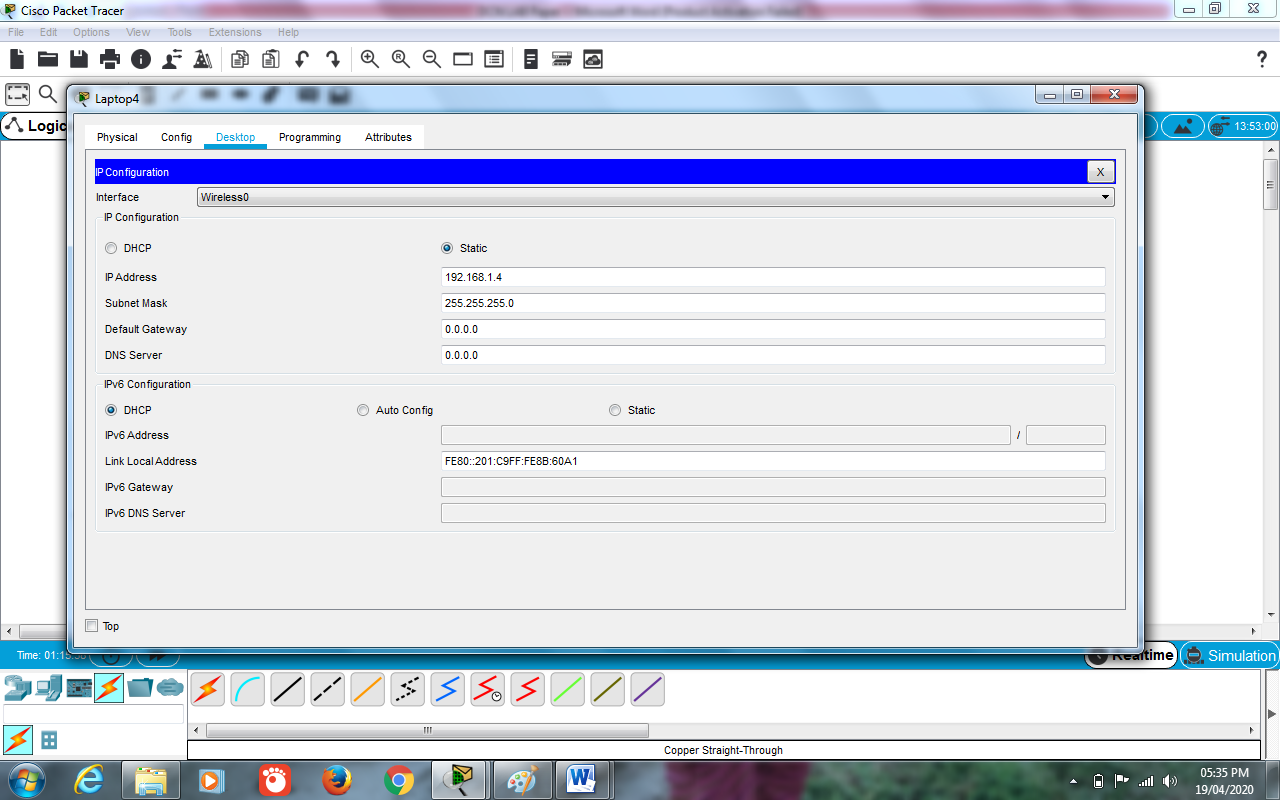


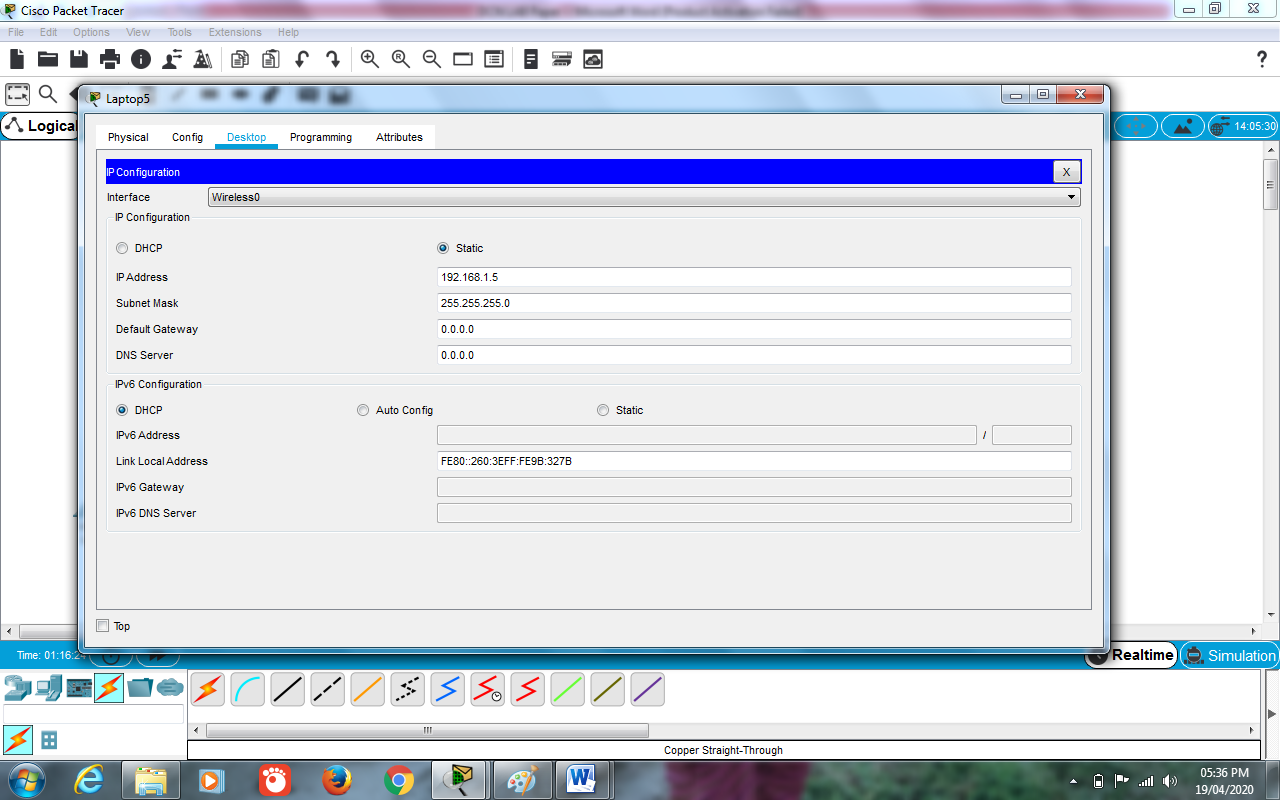
IP Addresses and Subnet Masks:

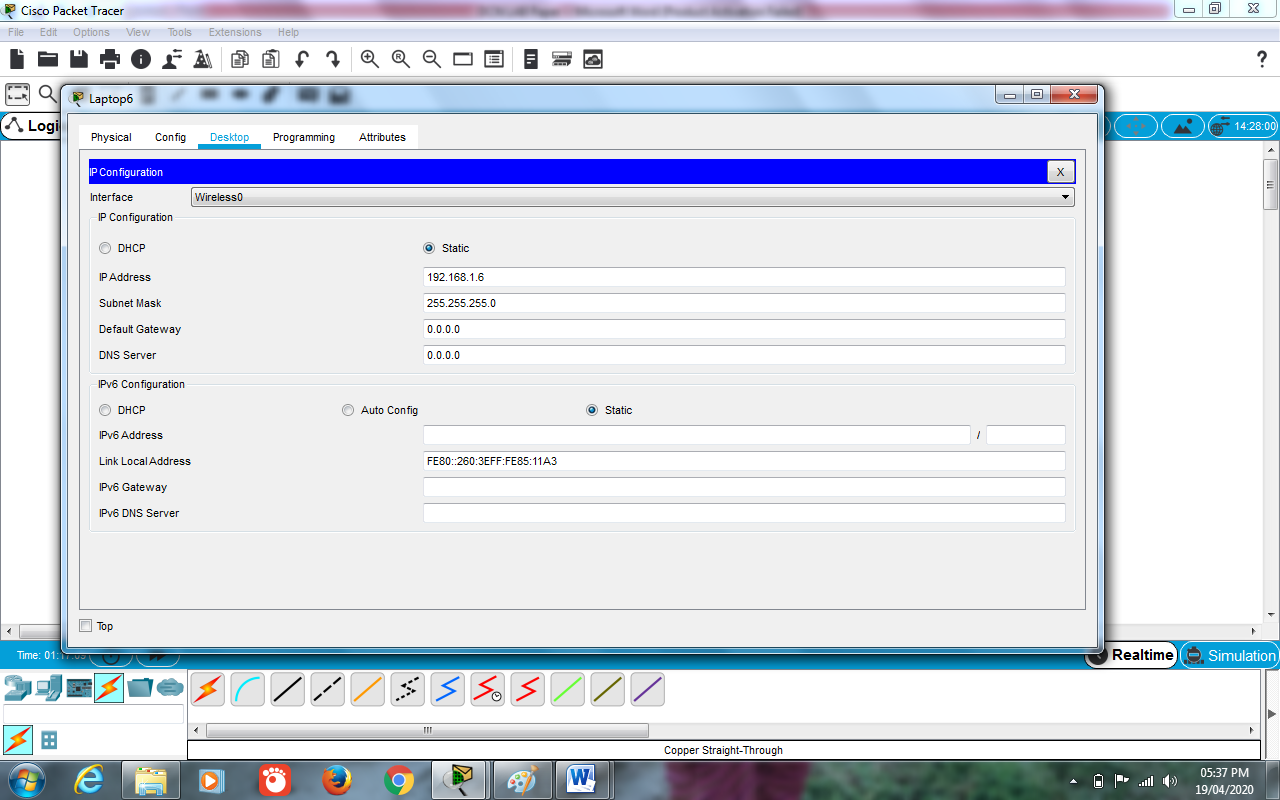


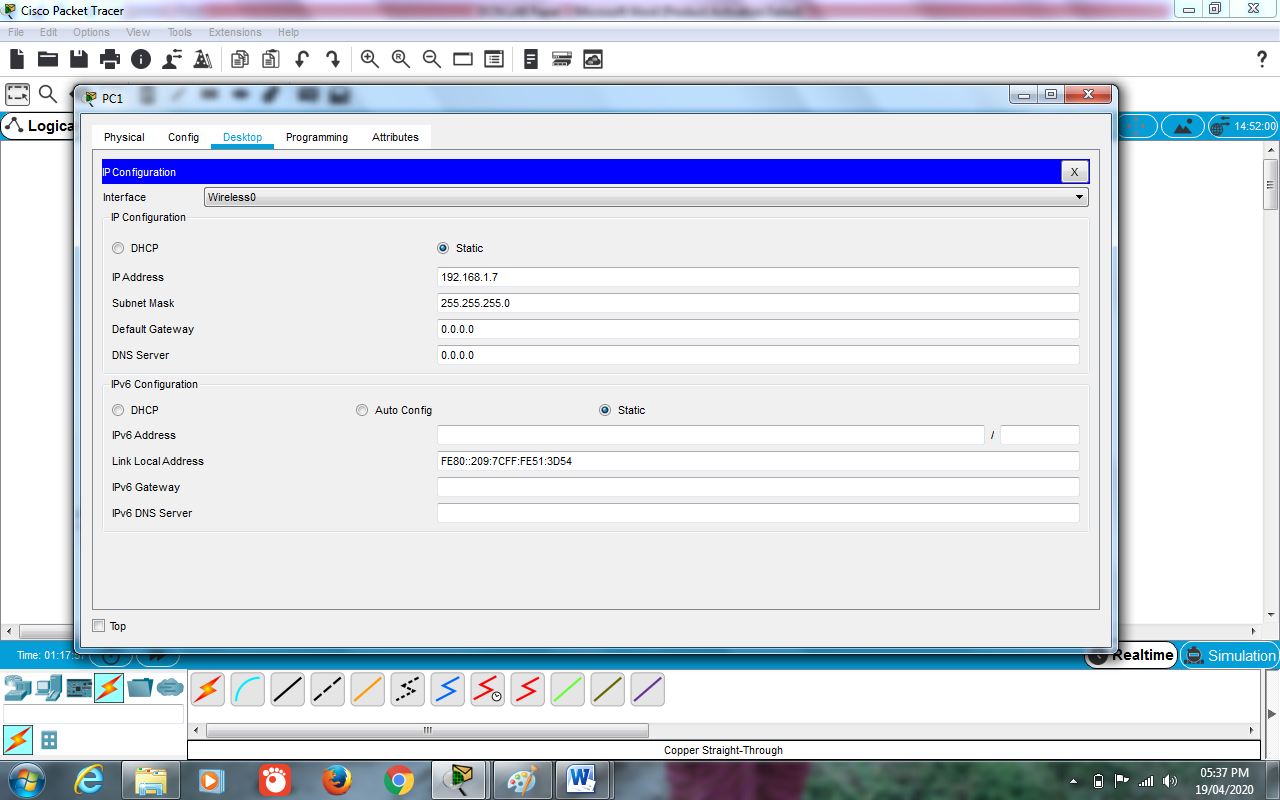


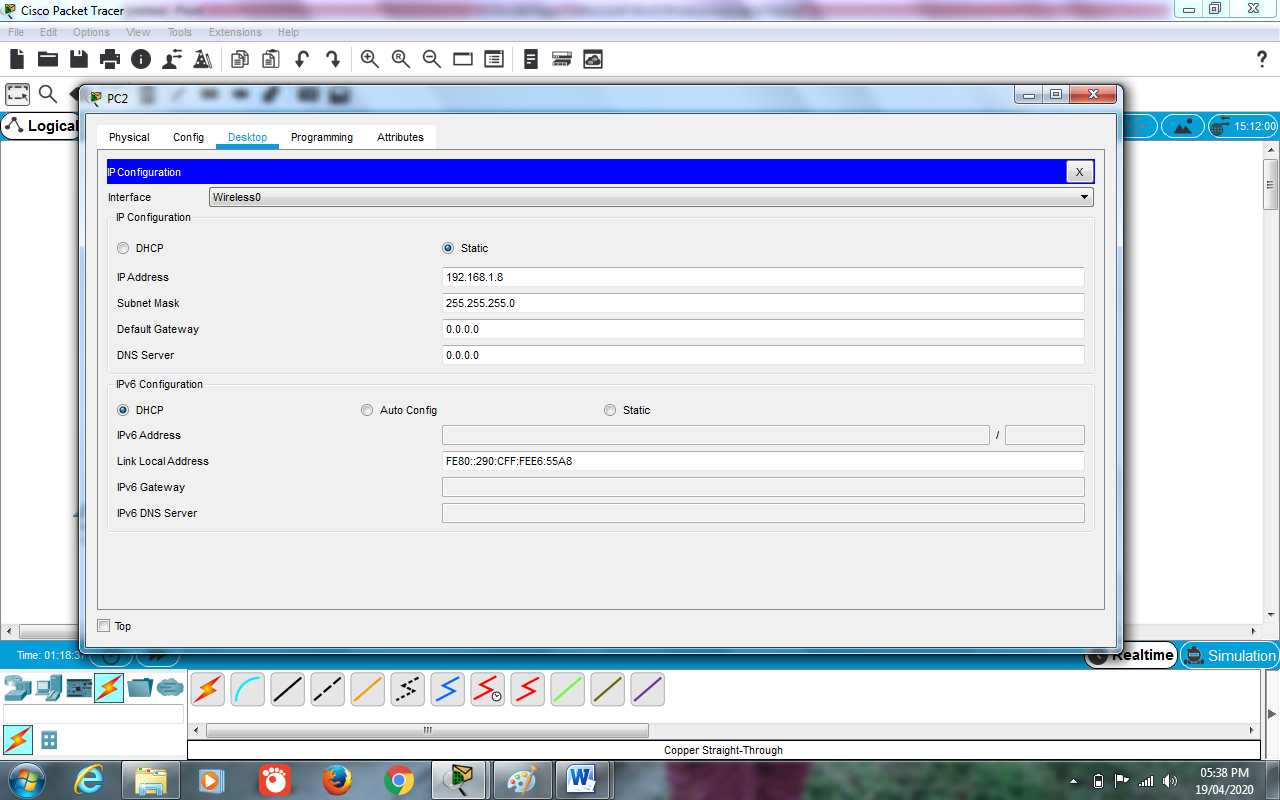


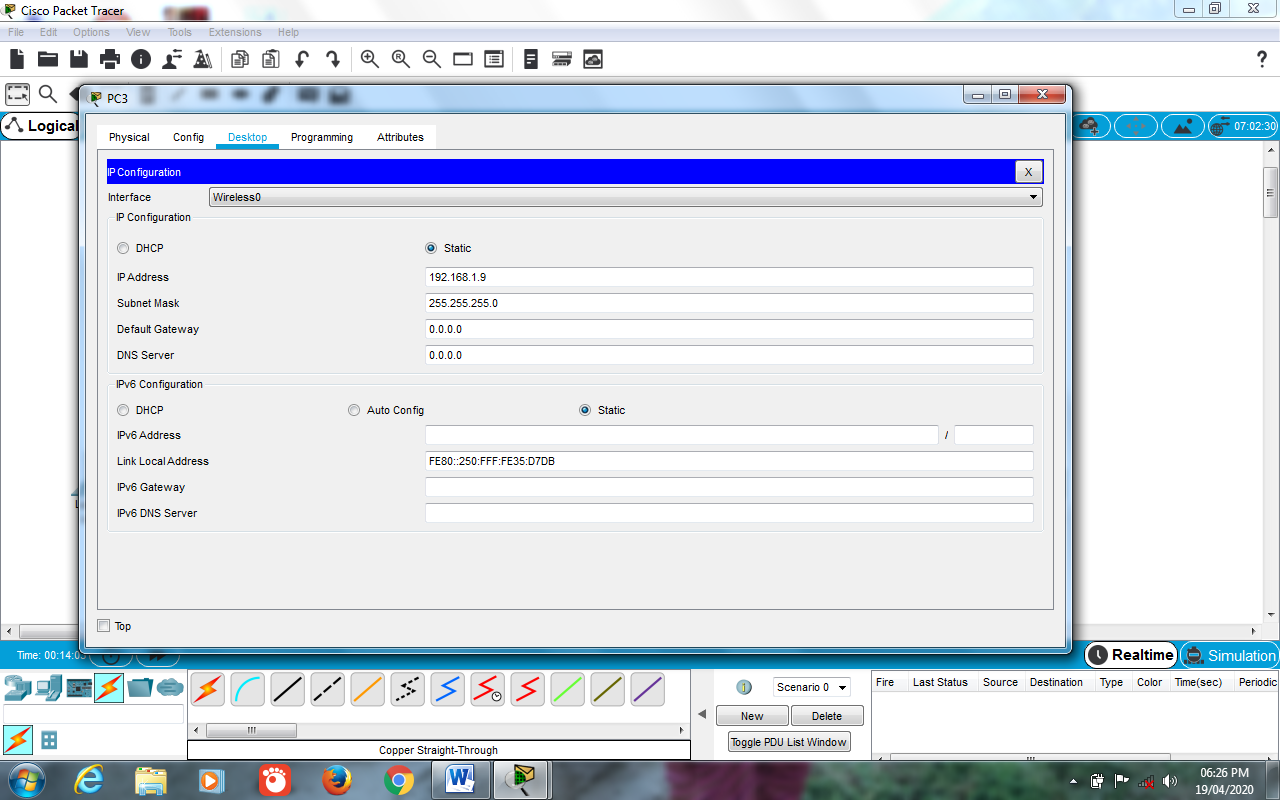


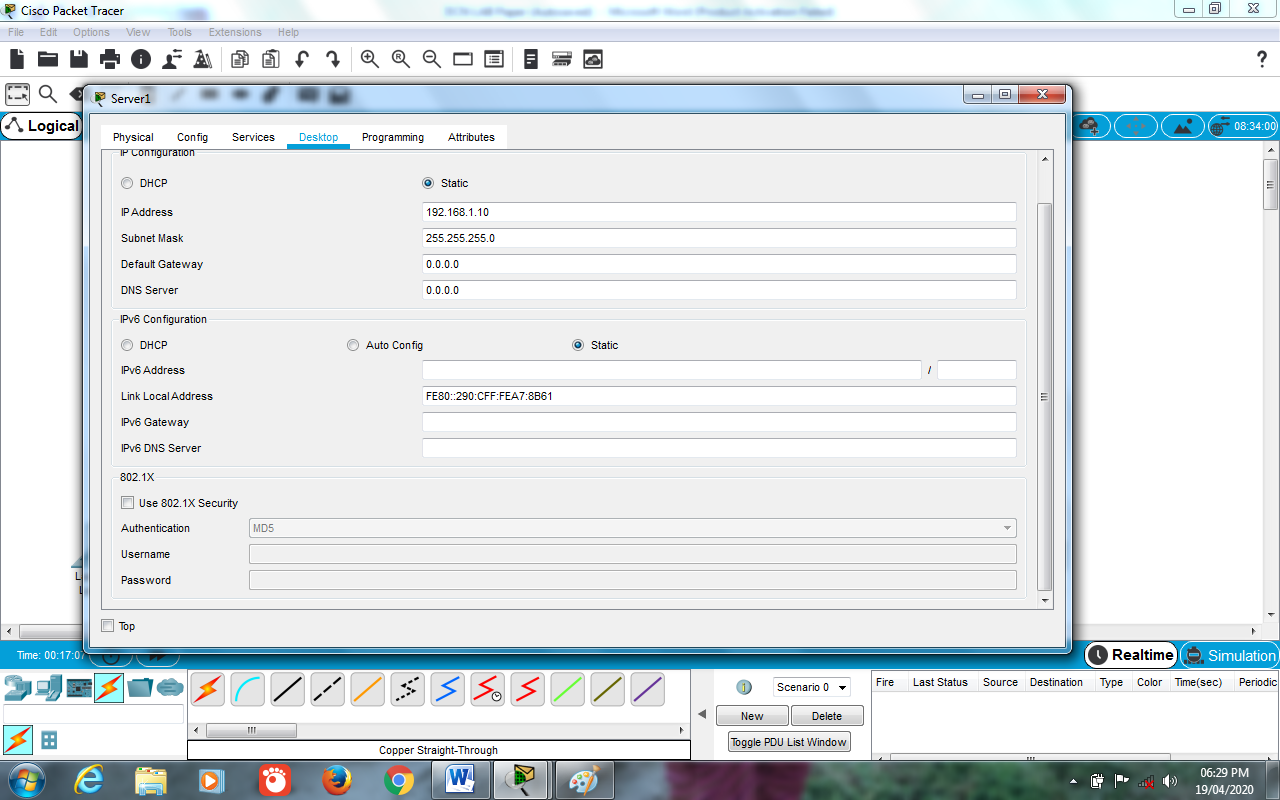




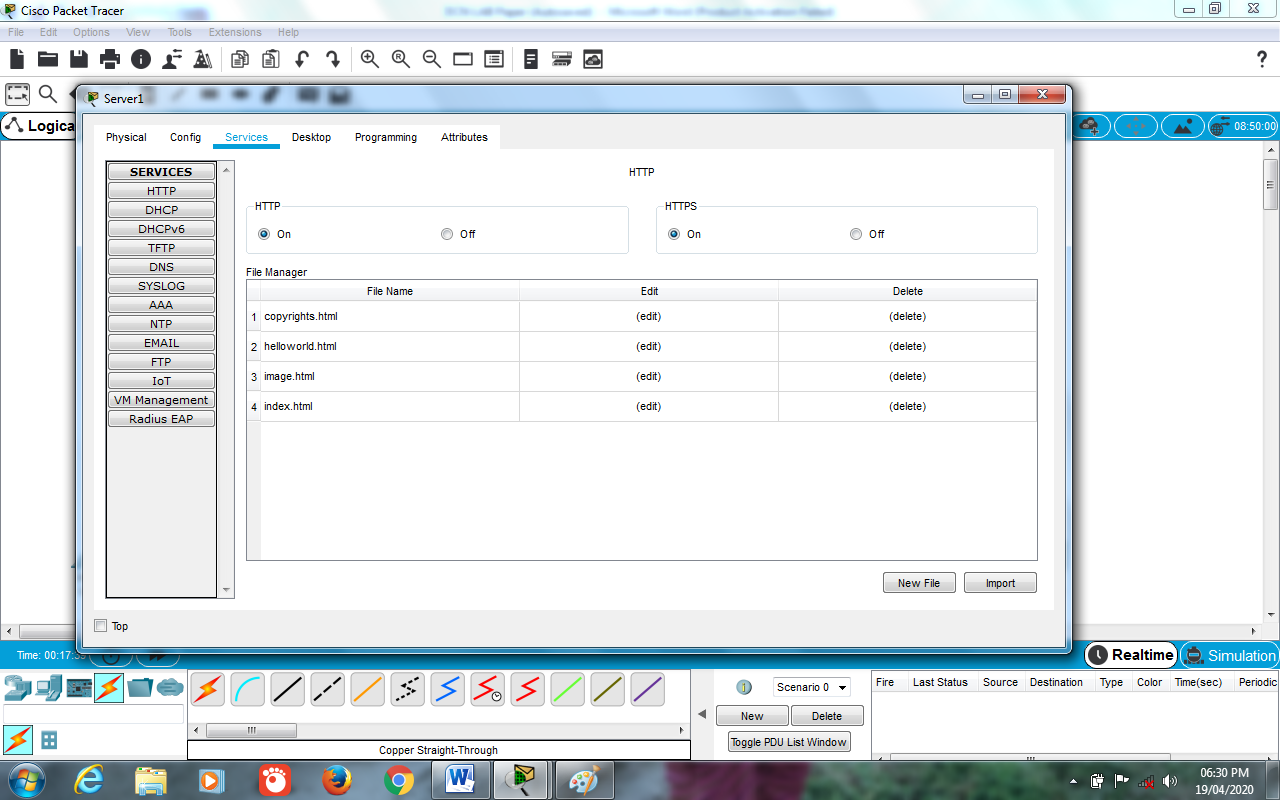




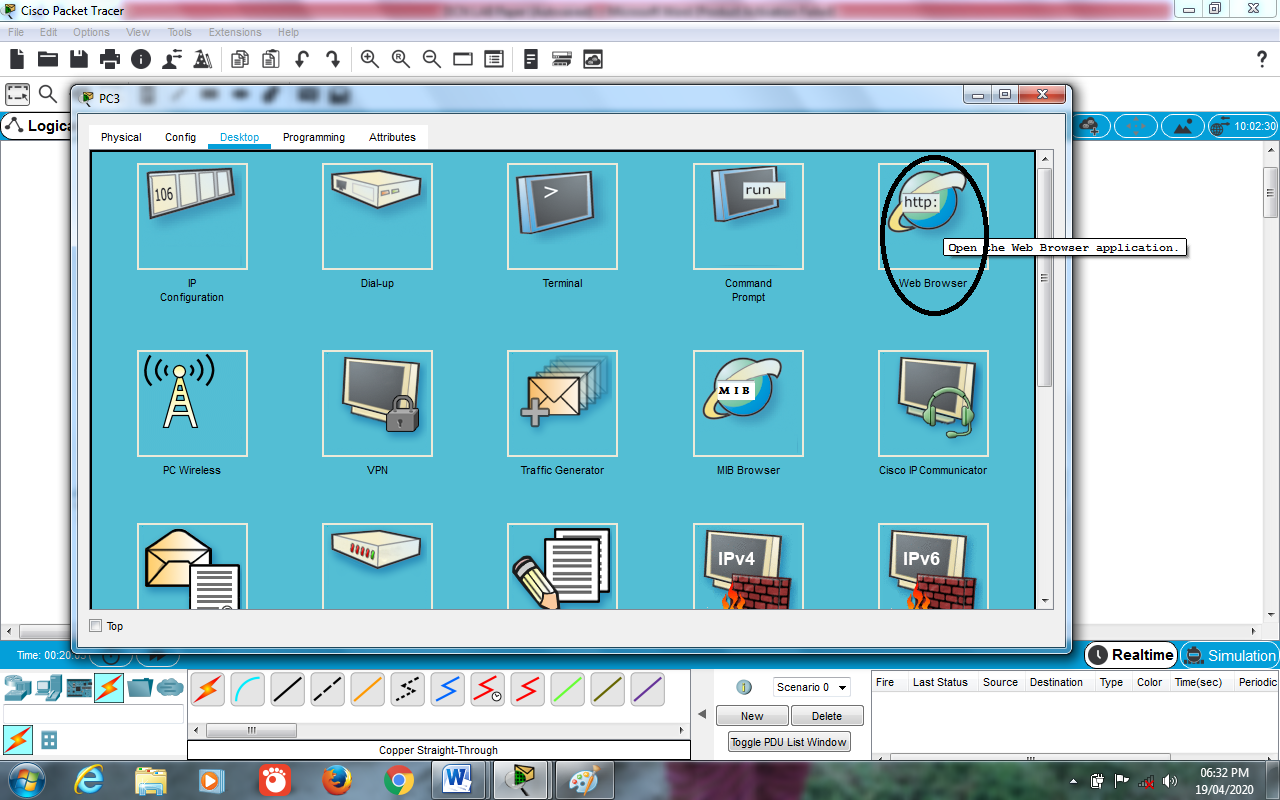


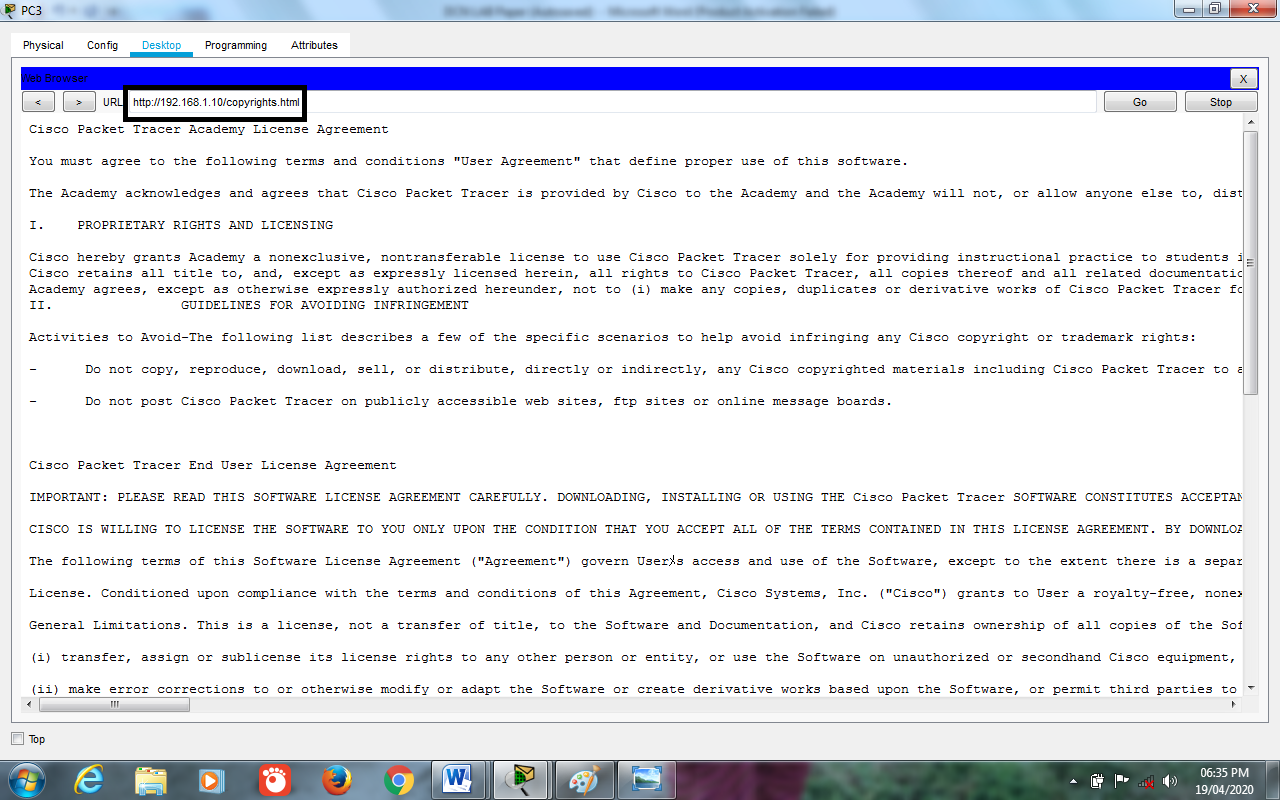


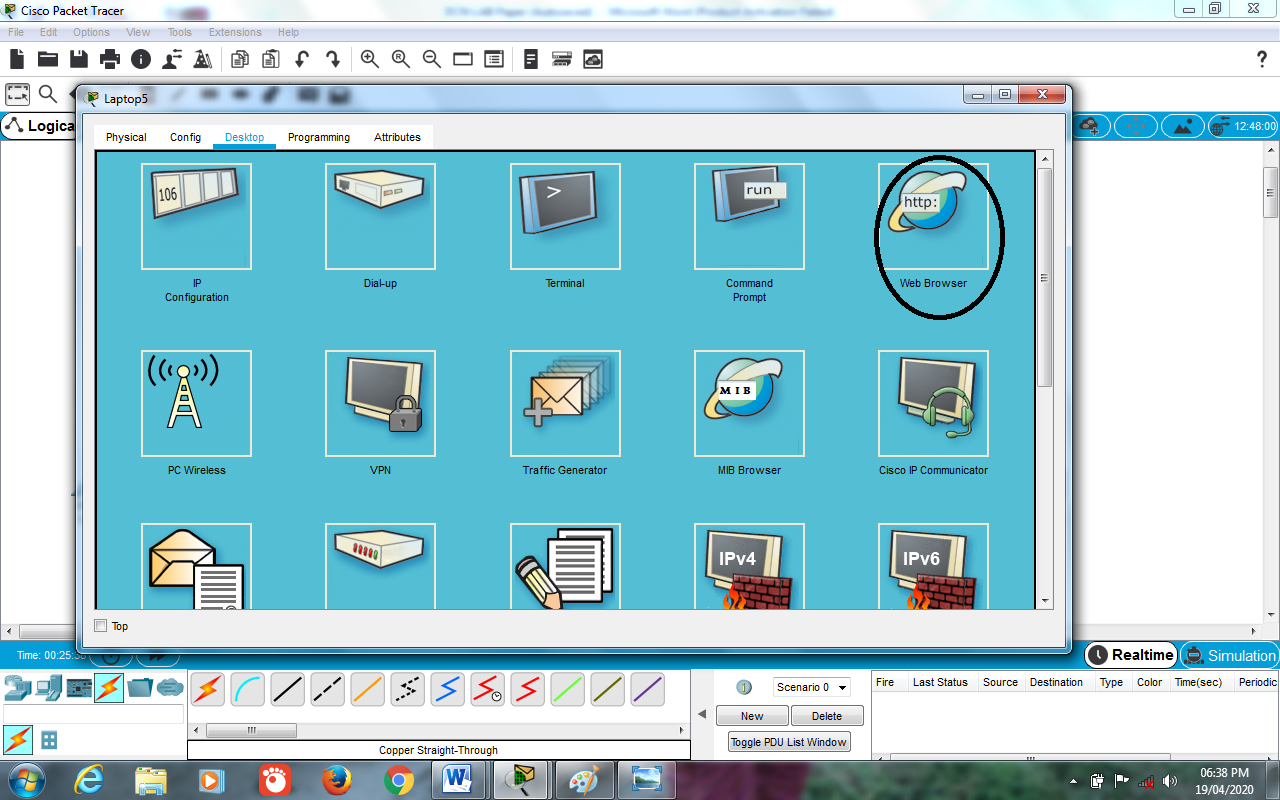
HTTP in Server1:

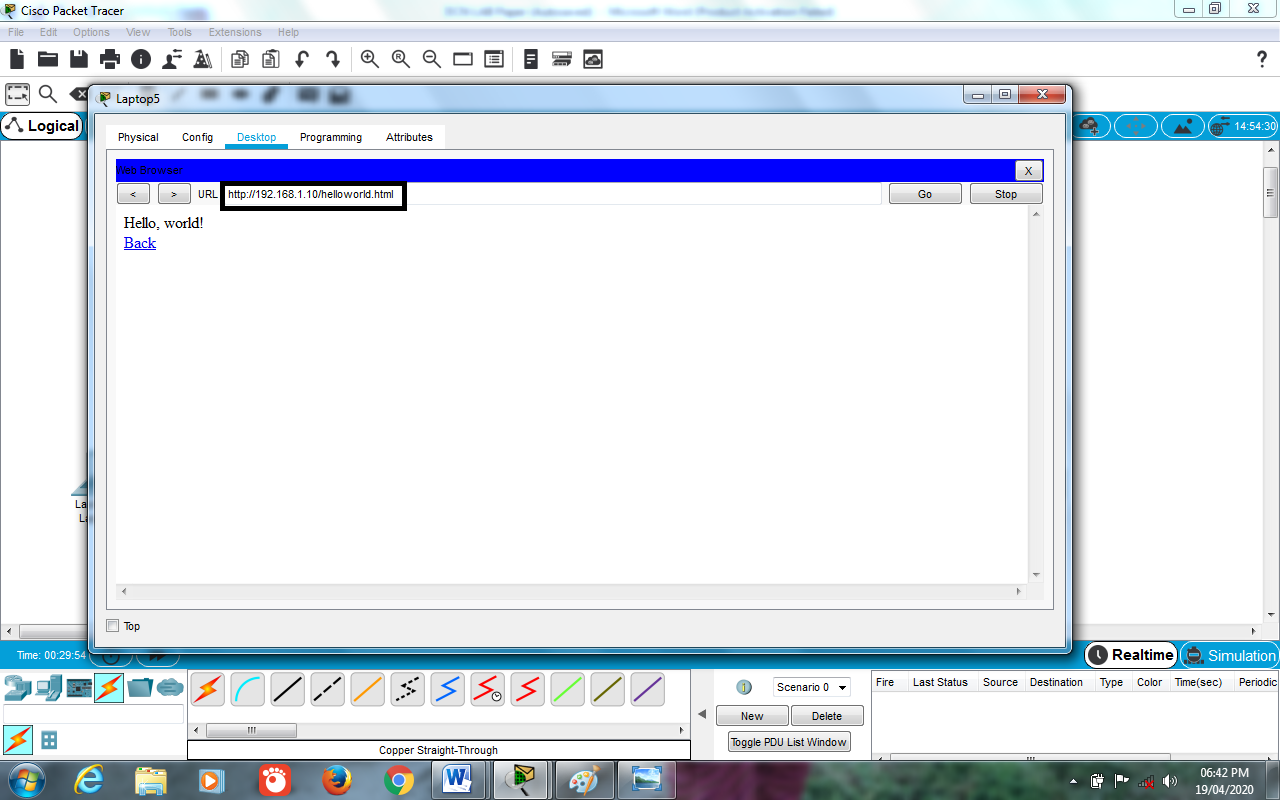


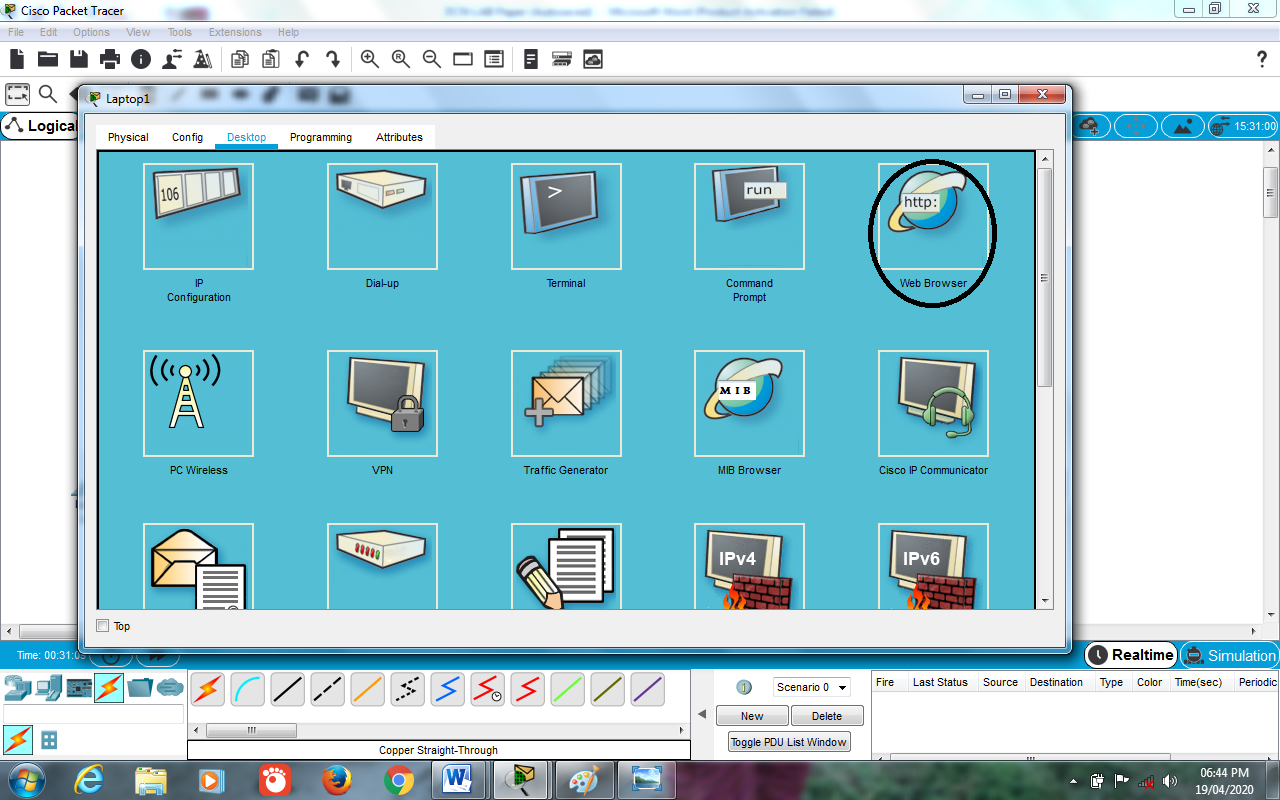
HTTP Server from the Client and Results:

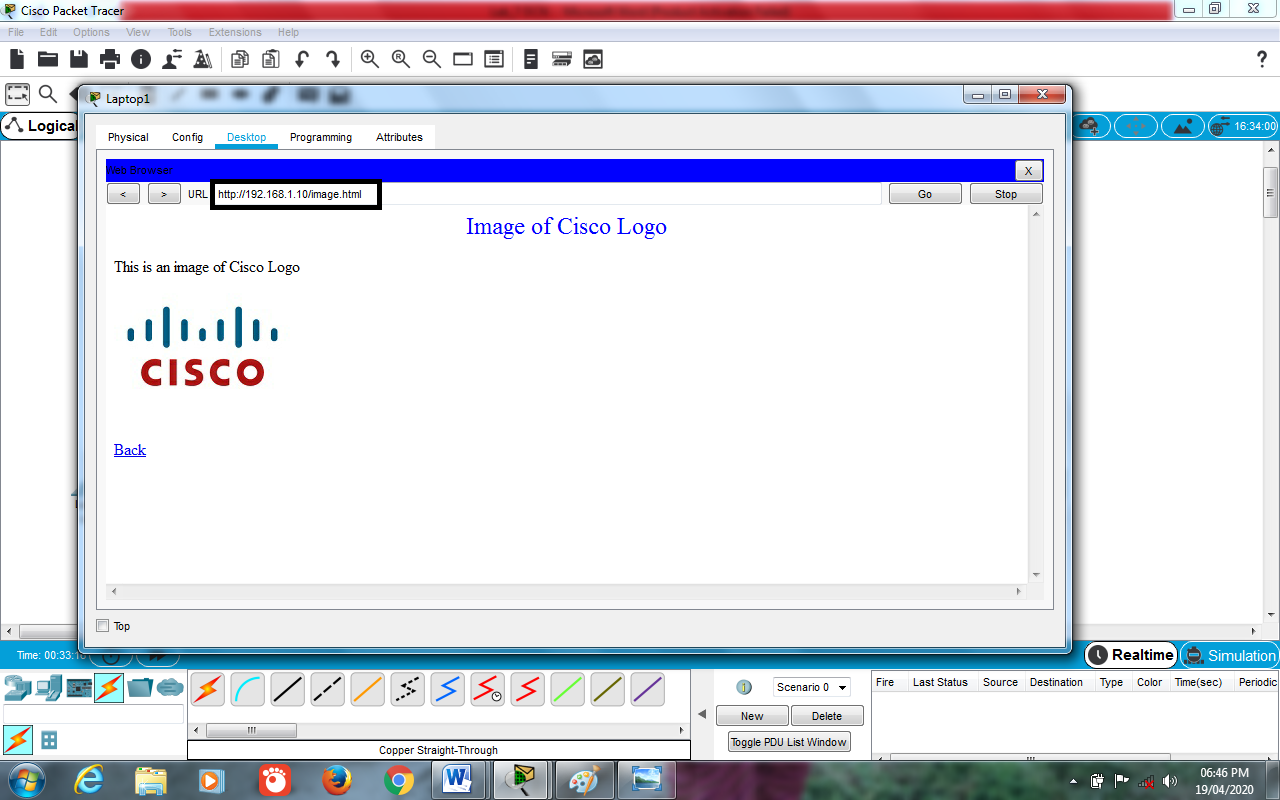


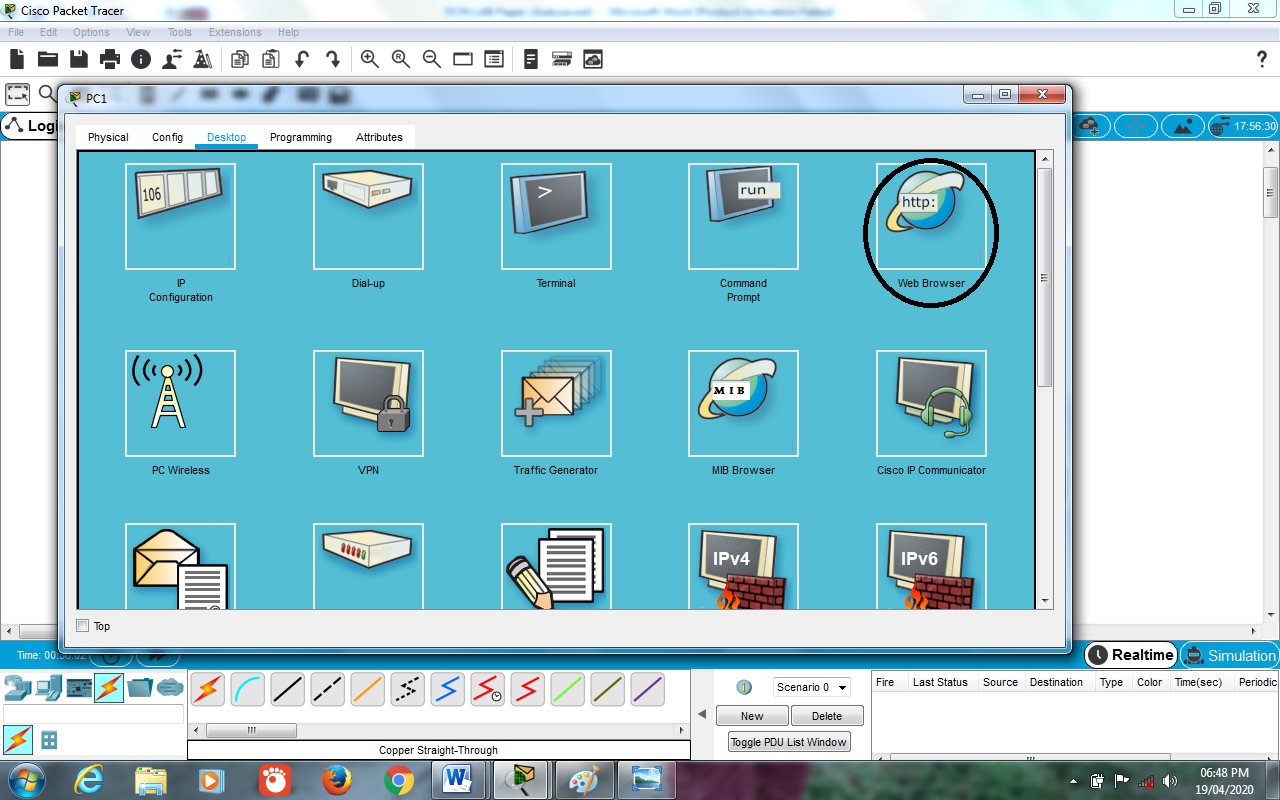


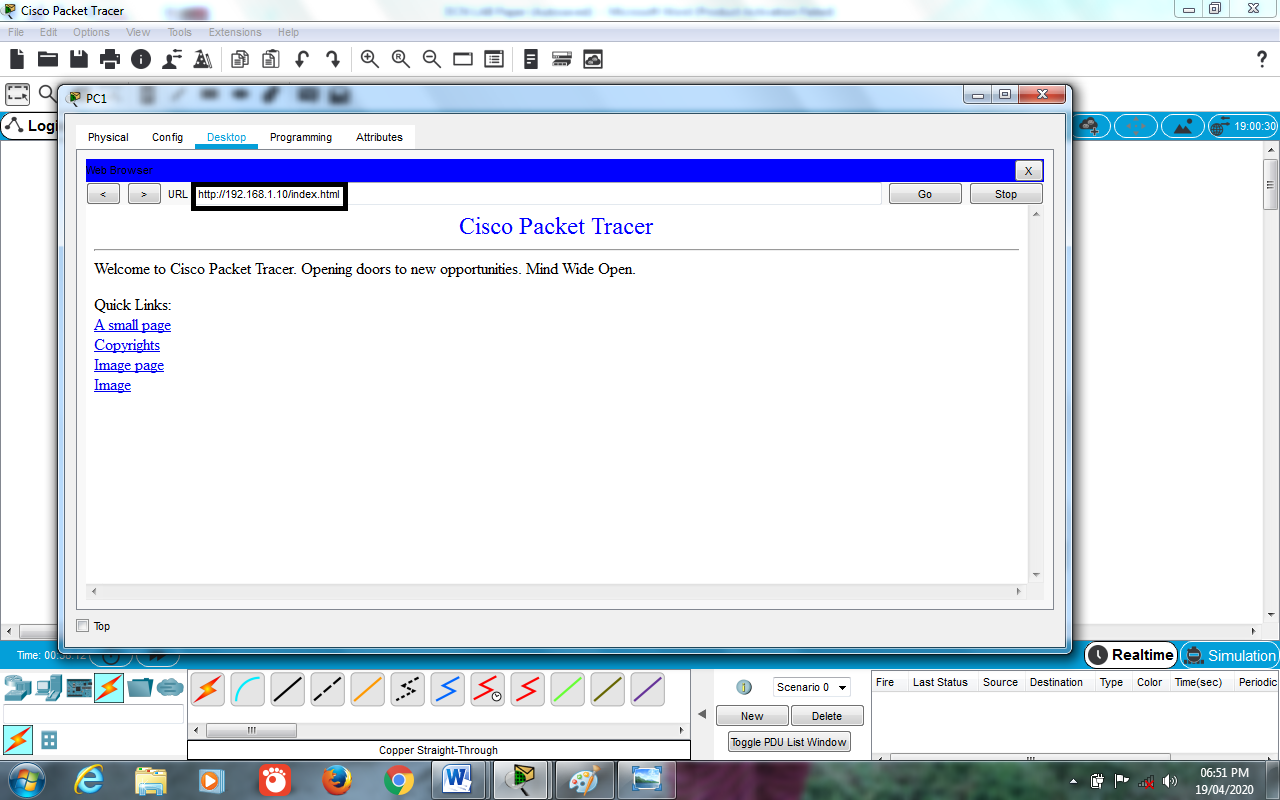












THE END