

INU

IQRA NATIONAL UNIVERSITY

Name : Hameed Khan

Department : BS(CS)

Semester : 4th

ID # : 15066

Assignment : Mid Term

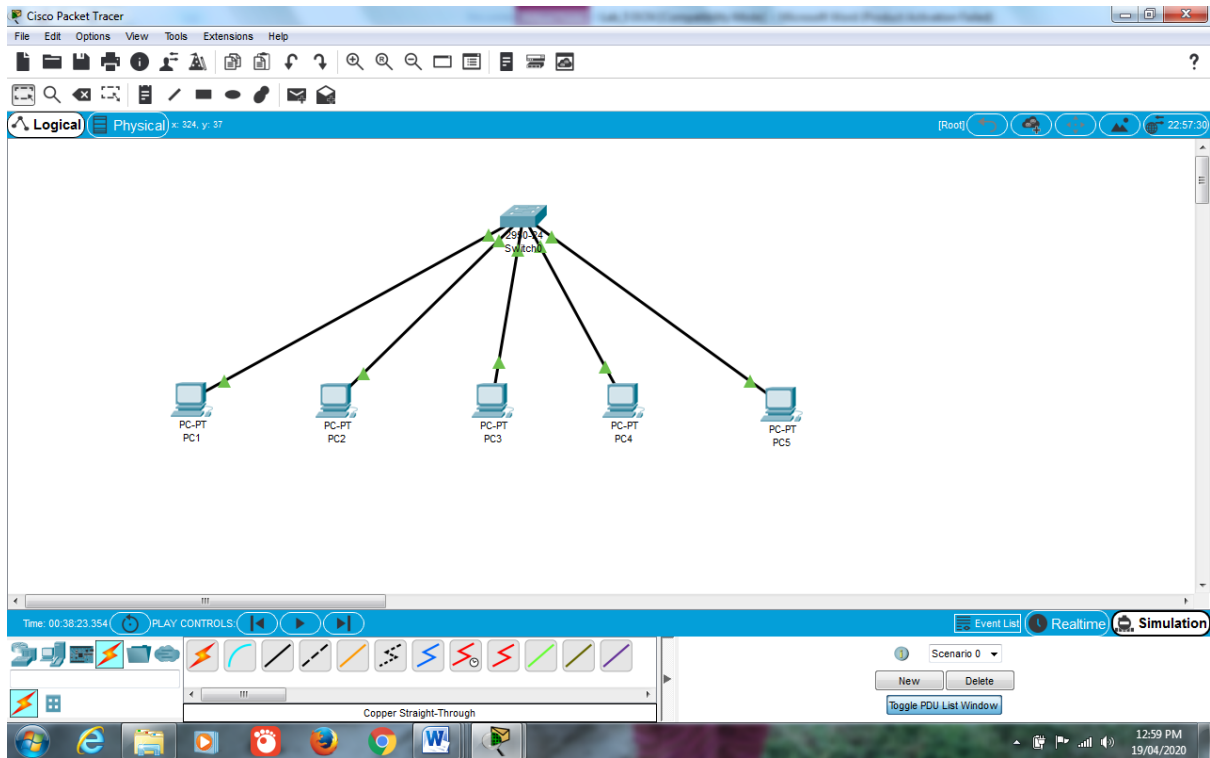
Subject : Data Communication
And Network(LAB)

Submitted To : Ghassan Husnain
Sir

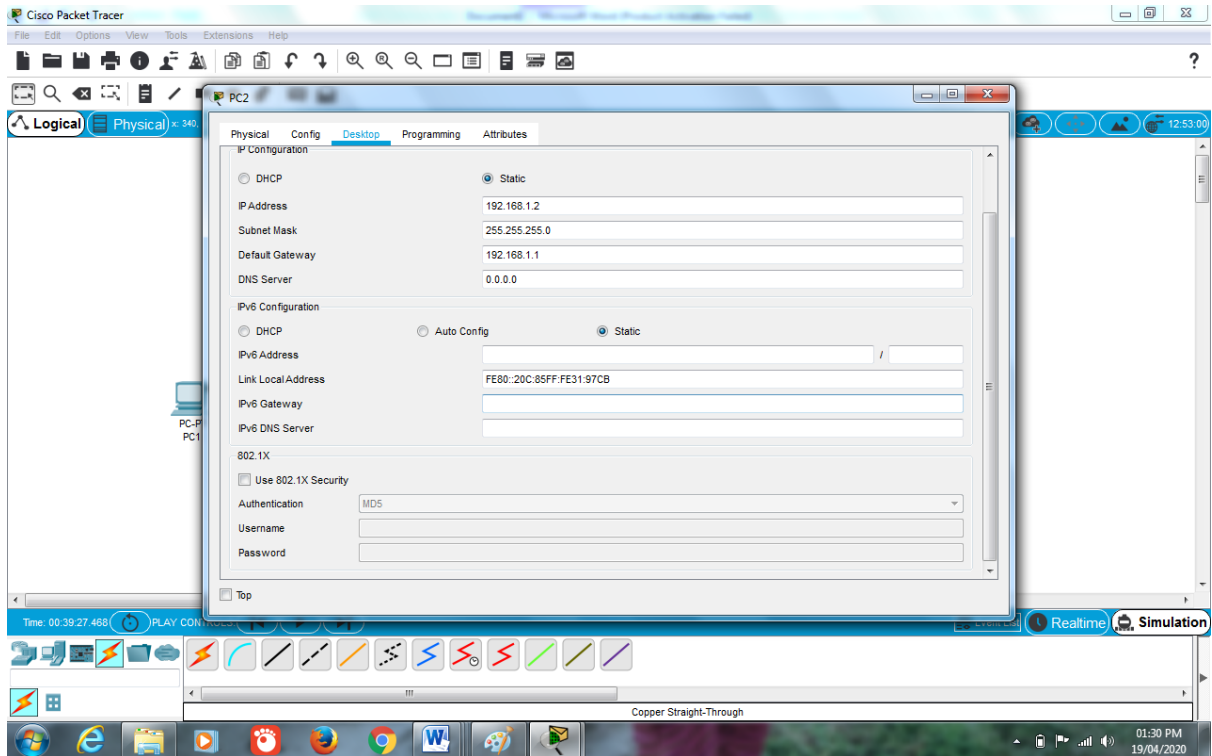
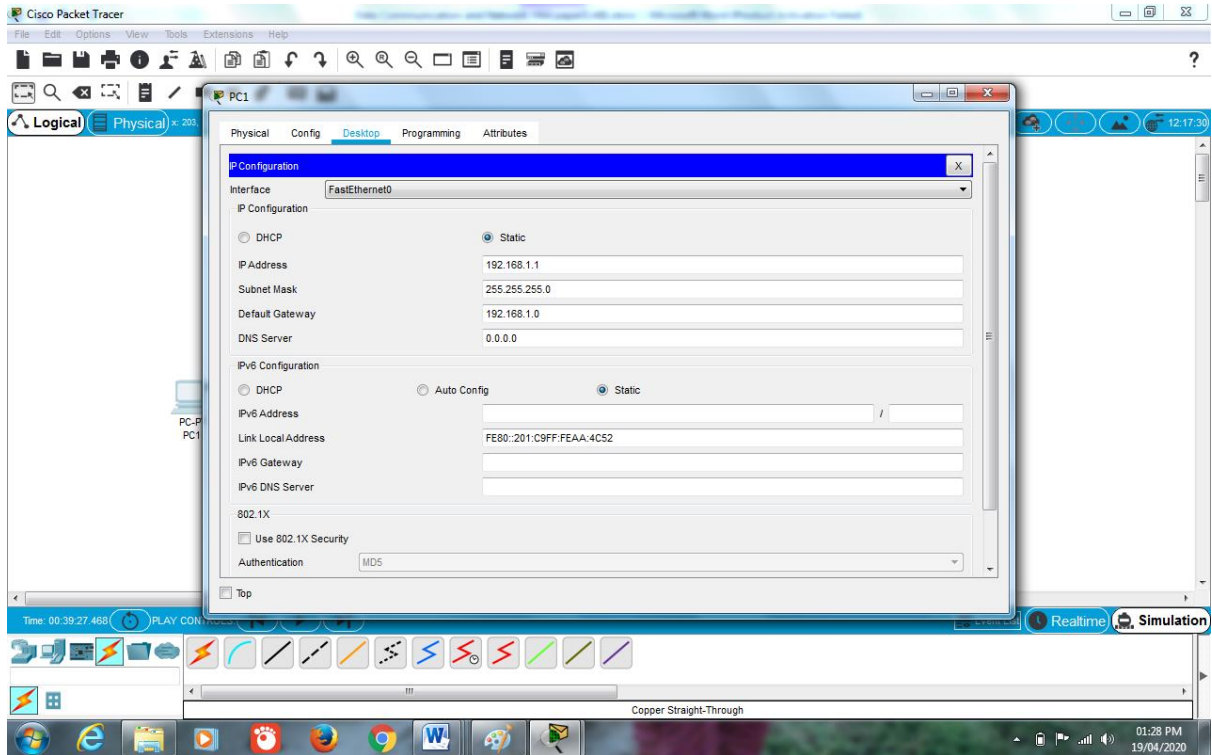
Task 1:

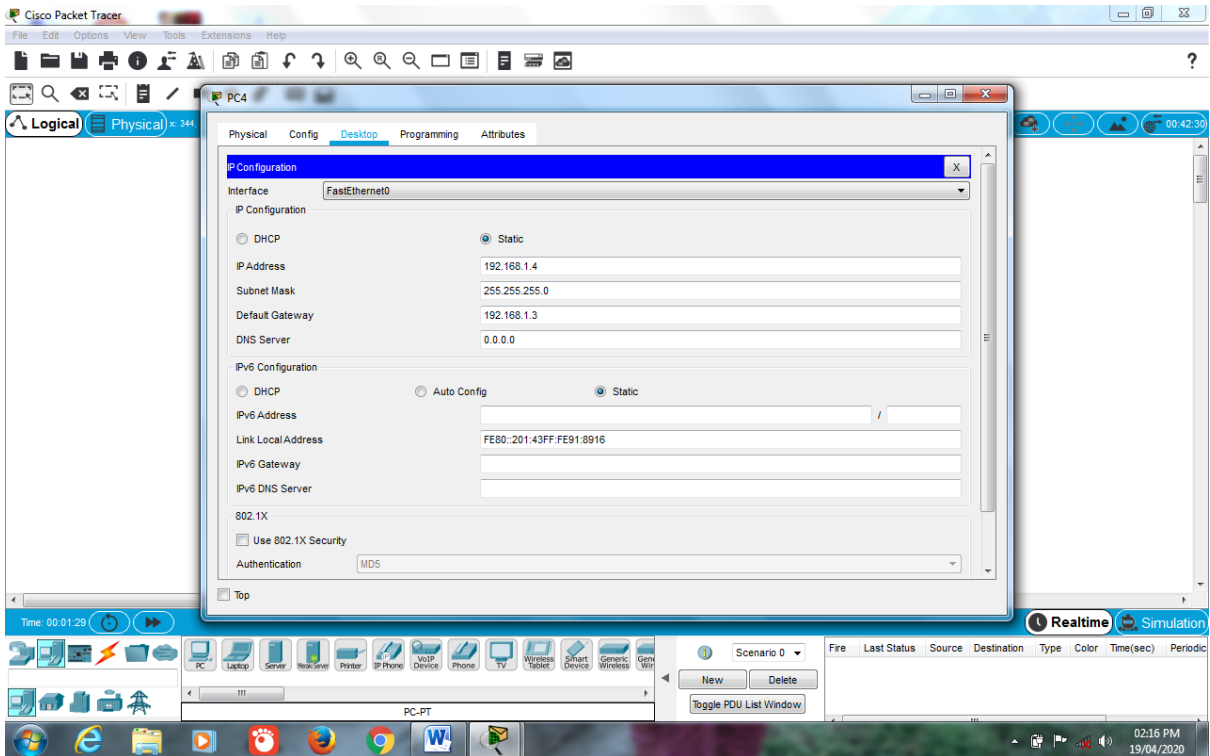
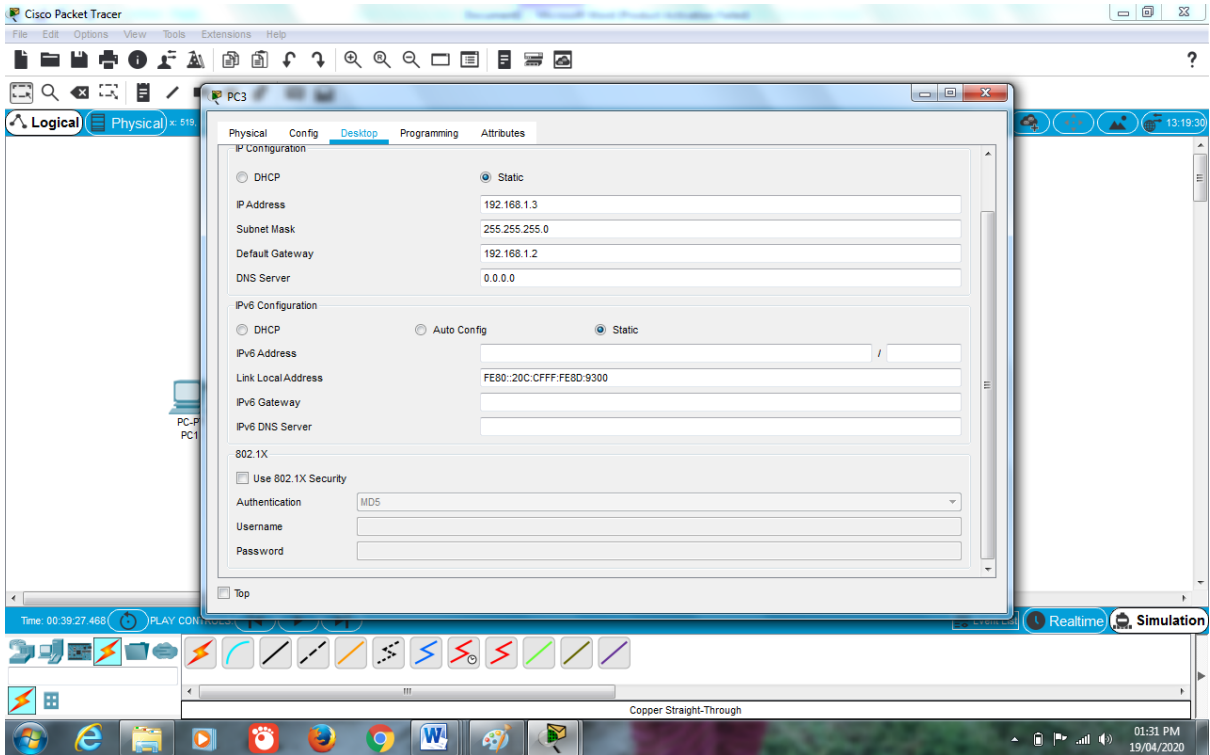
Ans:

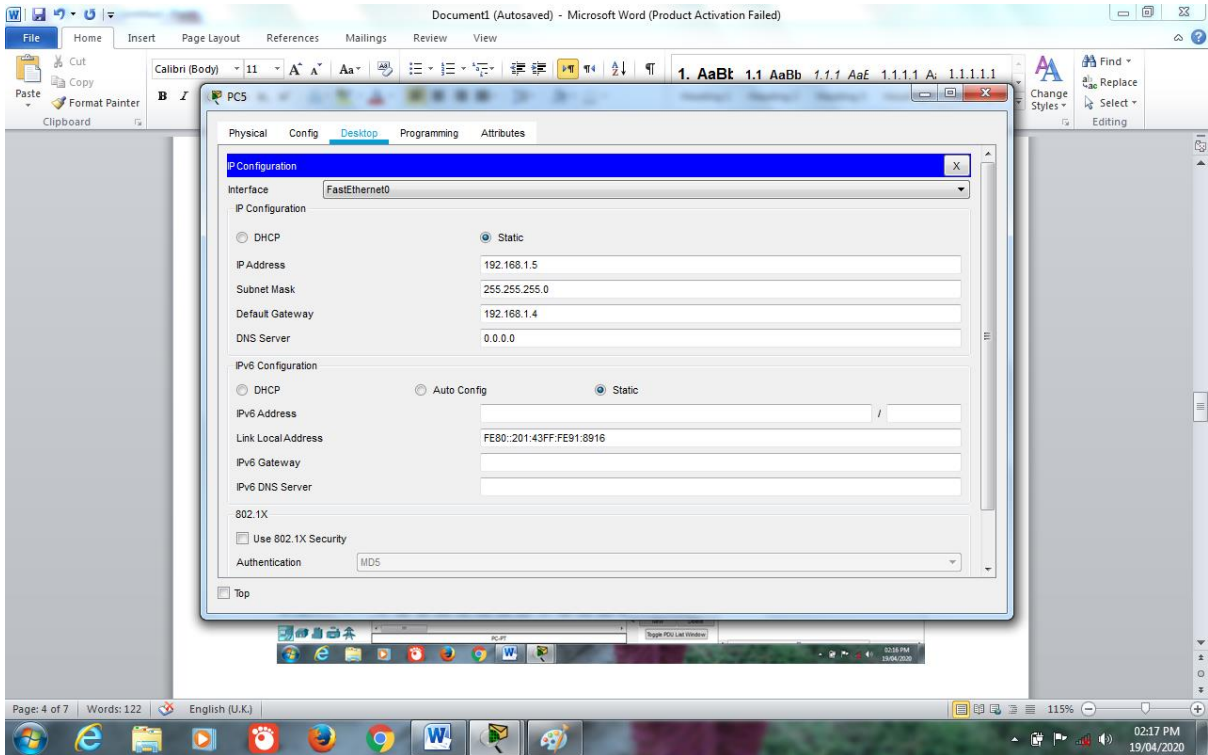
Construction:



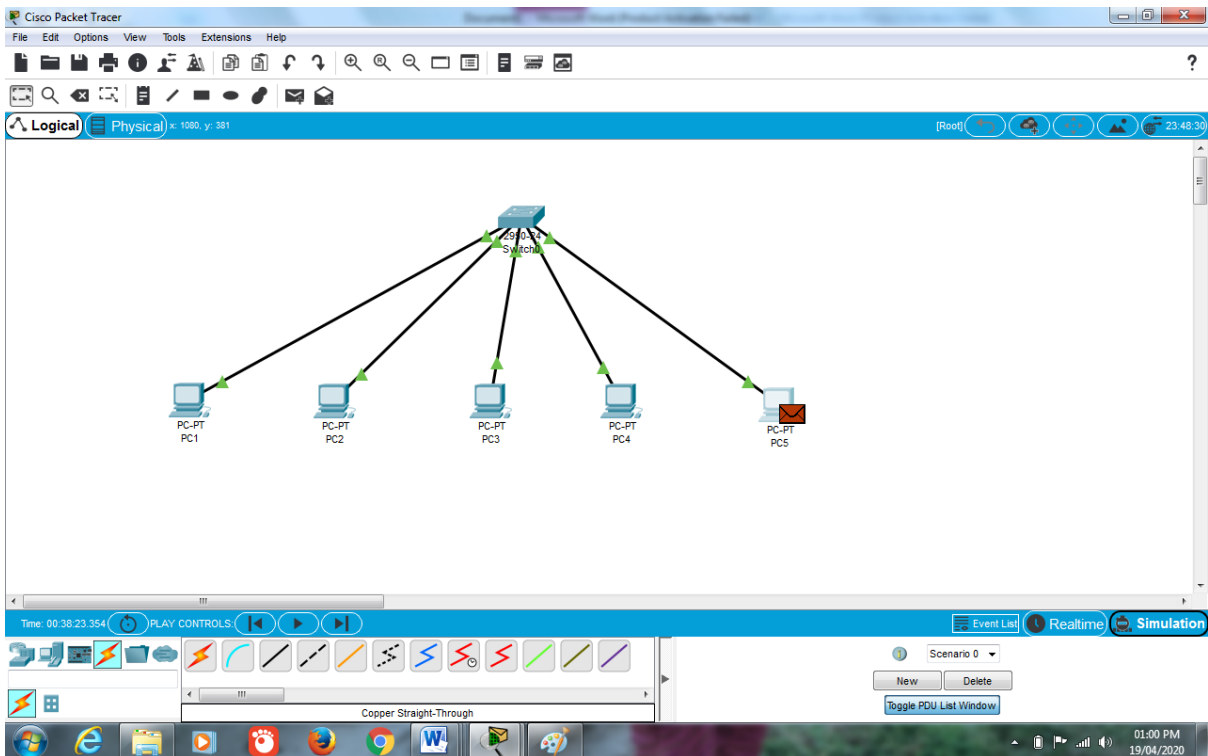
IP Addresses, Subnet Mask, Default Gateways:







Send message and Simulation:



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 747, y: 220

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	PC5	ICMP
	0.001	PC5	Switch0	ICMP
	0.002	Switch0	PC1	ICMP
	0.002	Switch0	PC2	ICMP
	0.002	Switch0	PC3	ICMP
	0.002	Switch0	PC4	ICMP
	0.003	PC1	Switch0	ICMP
	0.004	Switch0	PC5	ICMP

Reset Simulation Constant Delay Captured to: 12.209 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telet, UDR, USB, VTP

Edit Filters Show All/None

Time: 00:38:59.612 PLAY CONTROLS: Realtime Simulation

Copper Straight-Through

01:16 PM 19/04/2020

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 859, y: 189

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	PC5	ICMP
	0.001	PC5	Switch0	ICMP
	0.002	Switch0	PC1	ICMP
	0.002	Switch0	PC2	ICMP
	0.002	Switch0	PC3	ICMP
	0.002	Switch0	PC4	ICMP
	0.003	PC1	Switch0	ICMP
	0.004	Switch0	PC5	ICMP

Reset Simulation Constant Delay Captured to: 14.208 s

Play Controls

Event List Filters - Visible Events

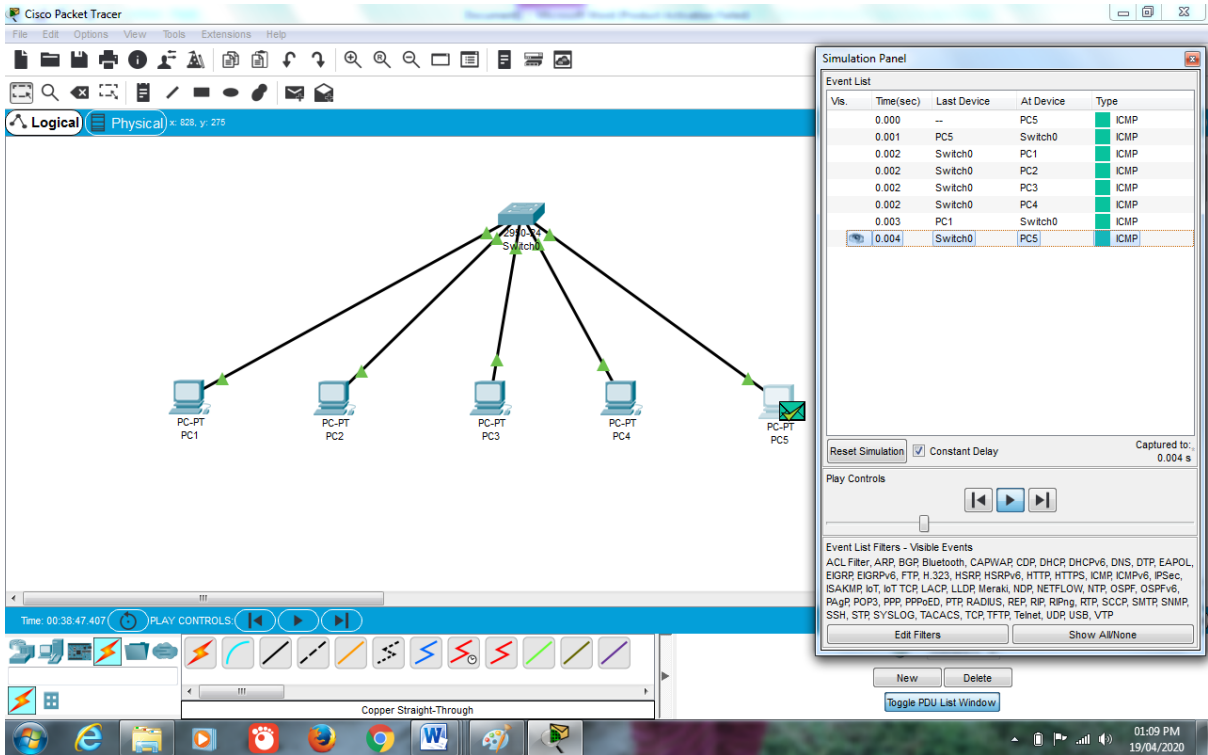
ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telet, UDR, USB, VTP

Edit Filters Show All/None

Time: 00:39:01.611 PLAY CONTROLS: Realtime Simulation

Copper Straight-Through

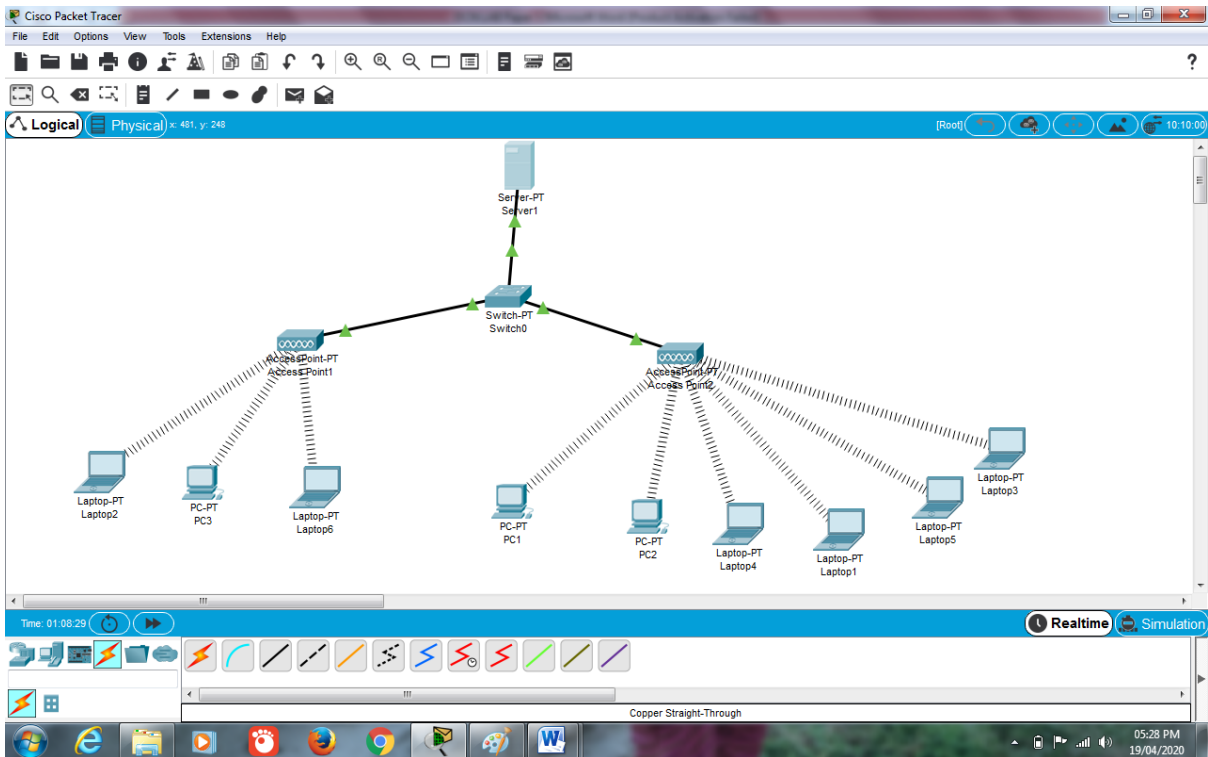
01:20 PM 19/04/2020



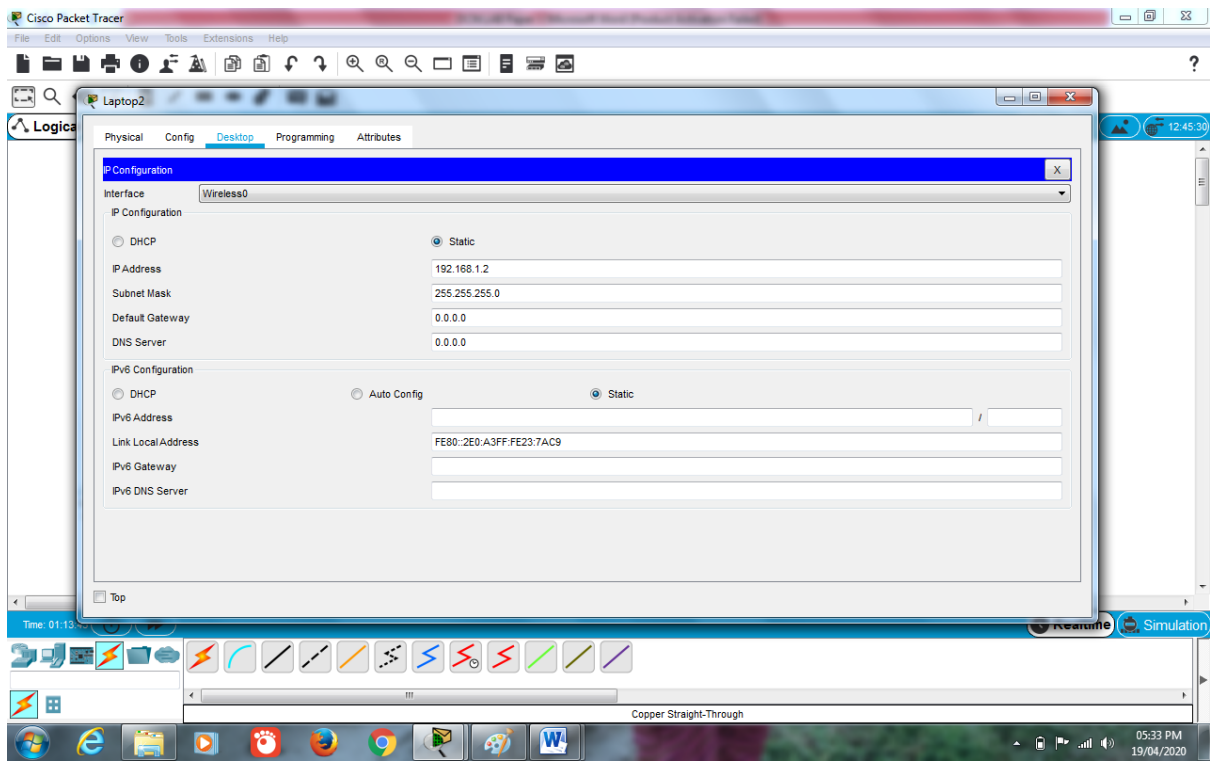
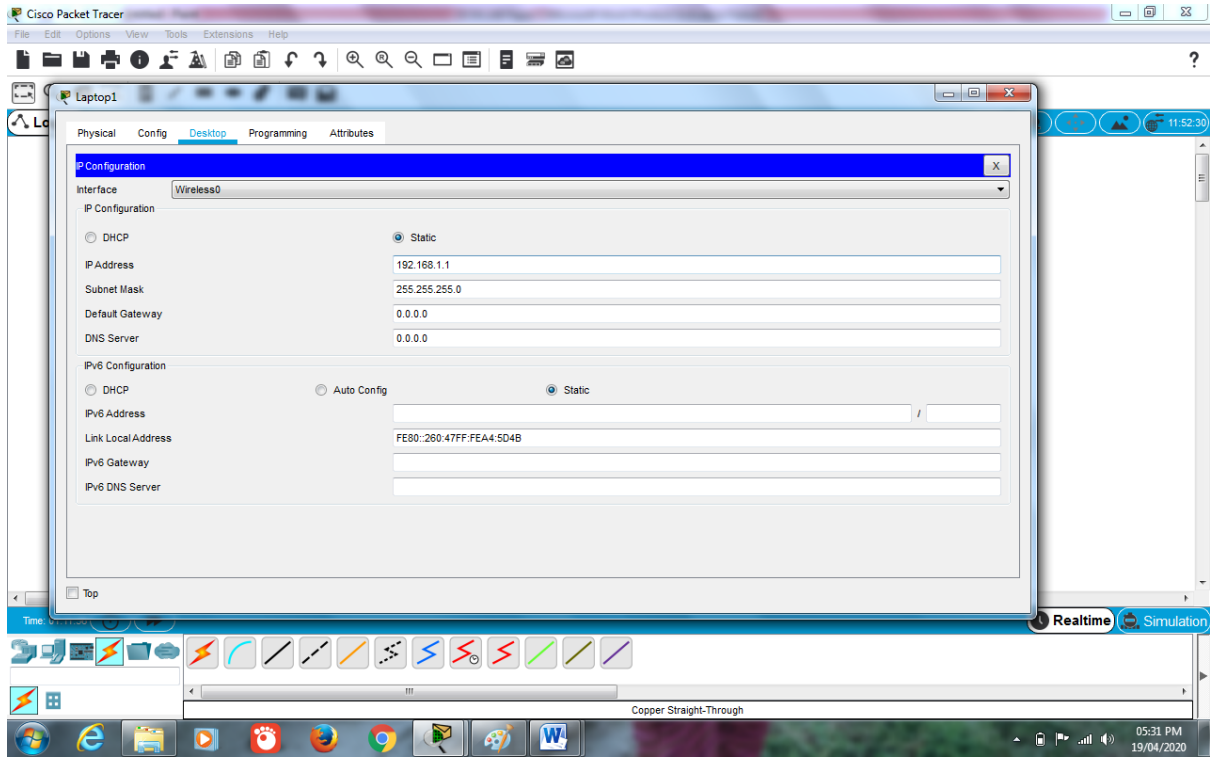
Task 2:

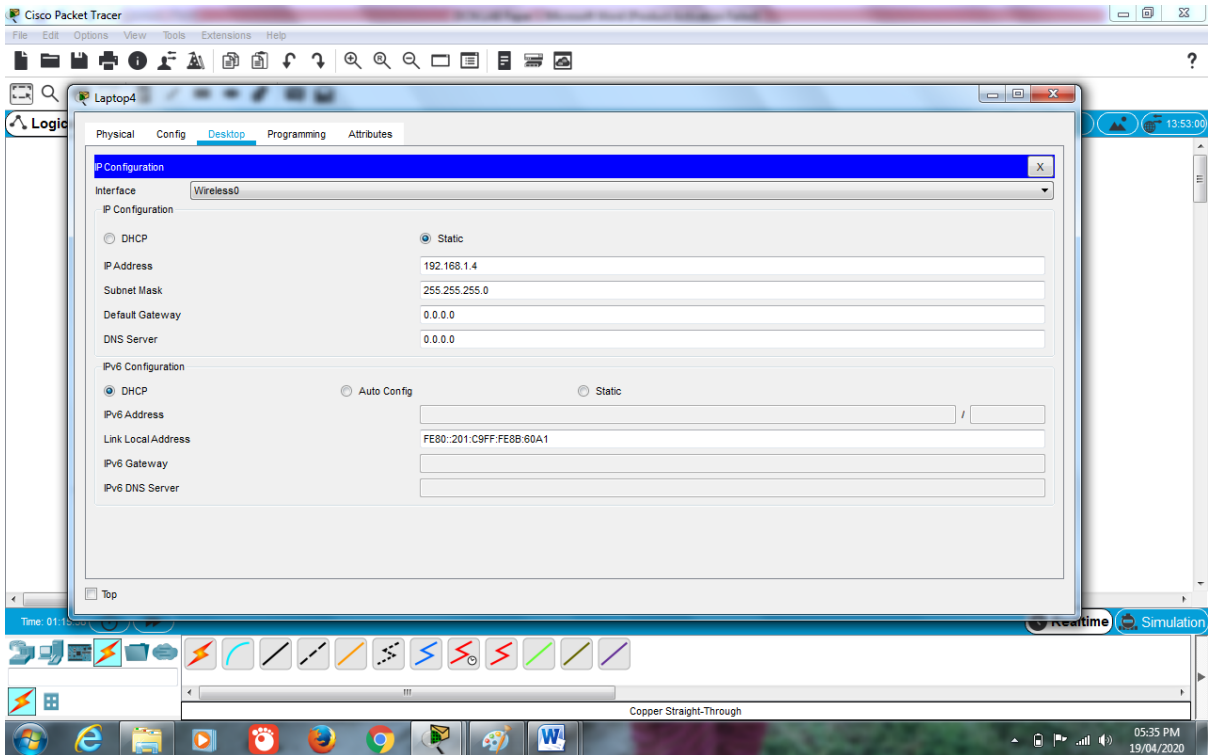
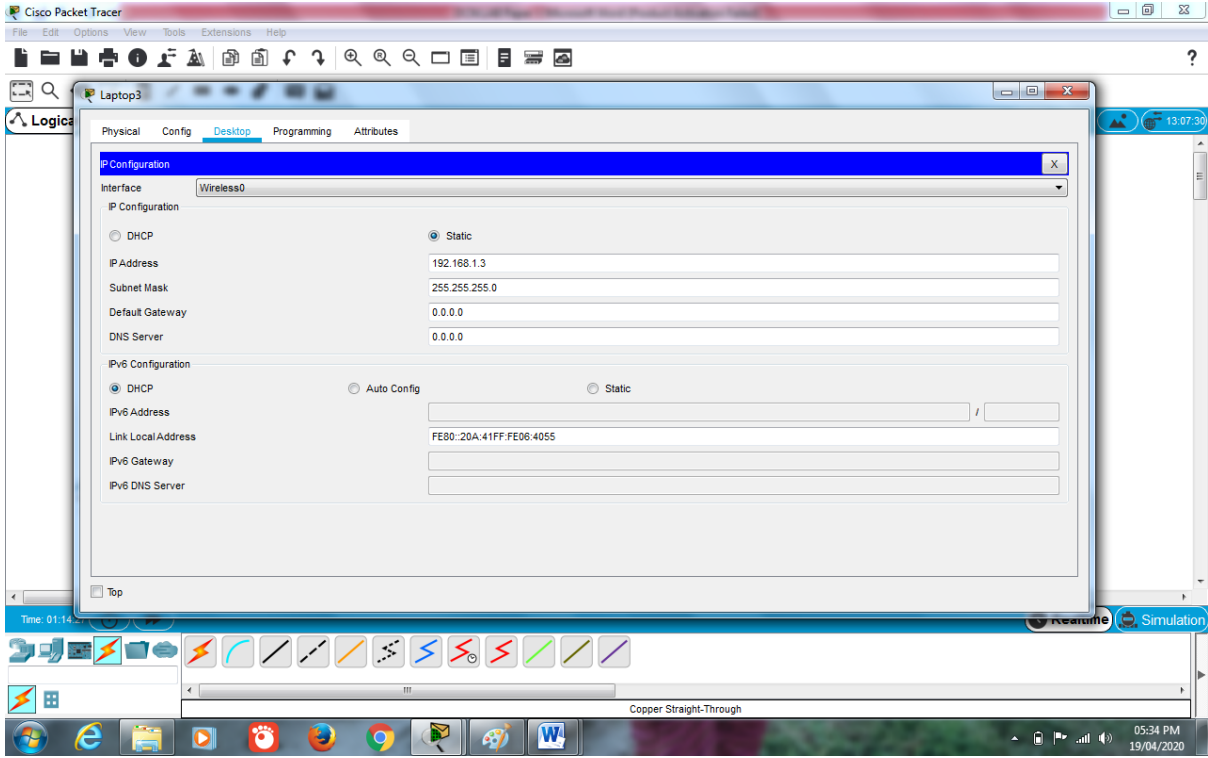
Ans:

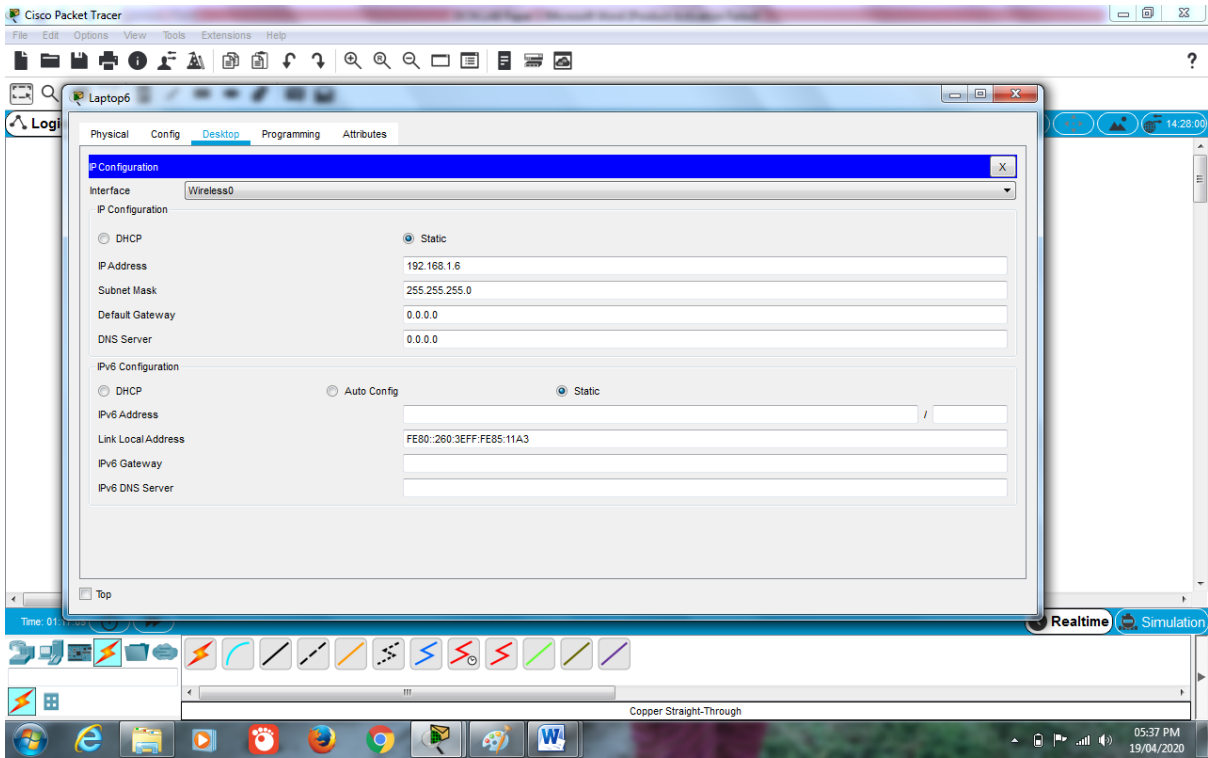
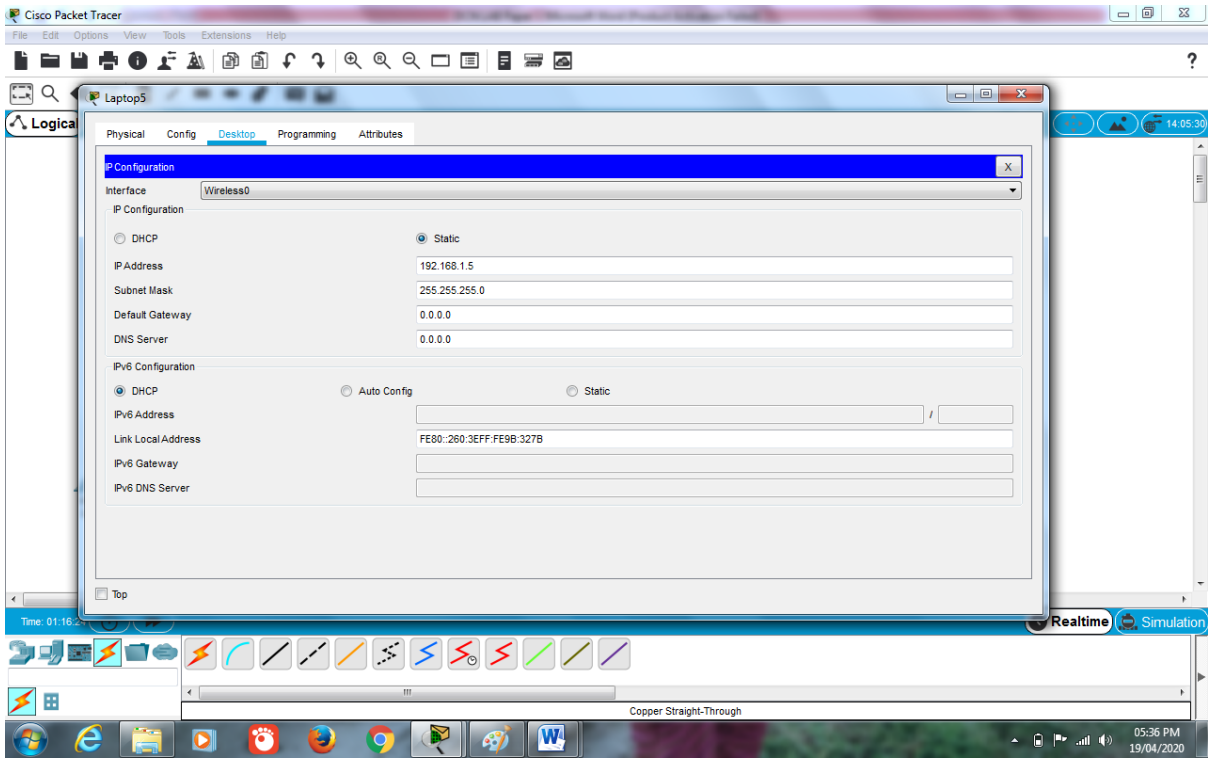
Construction:

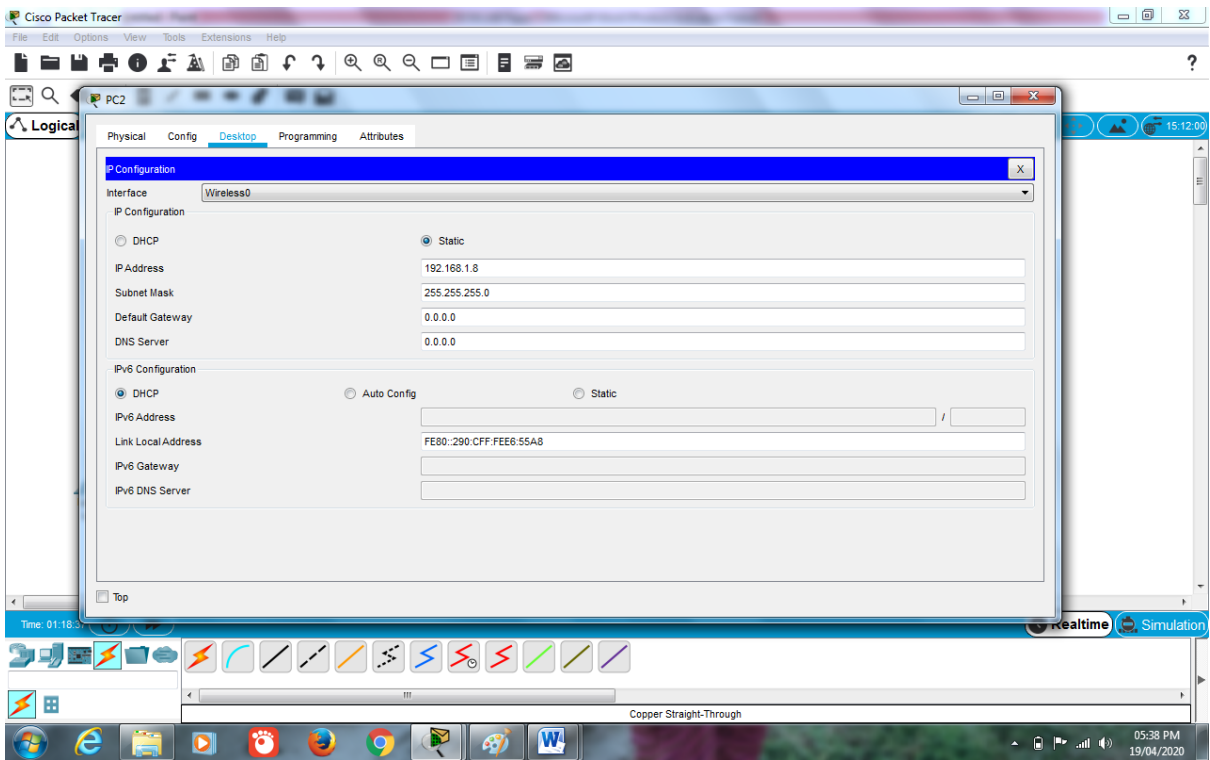
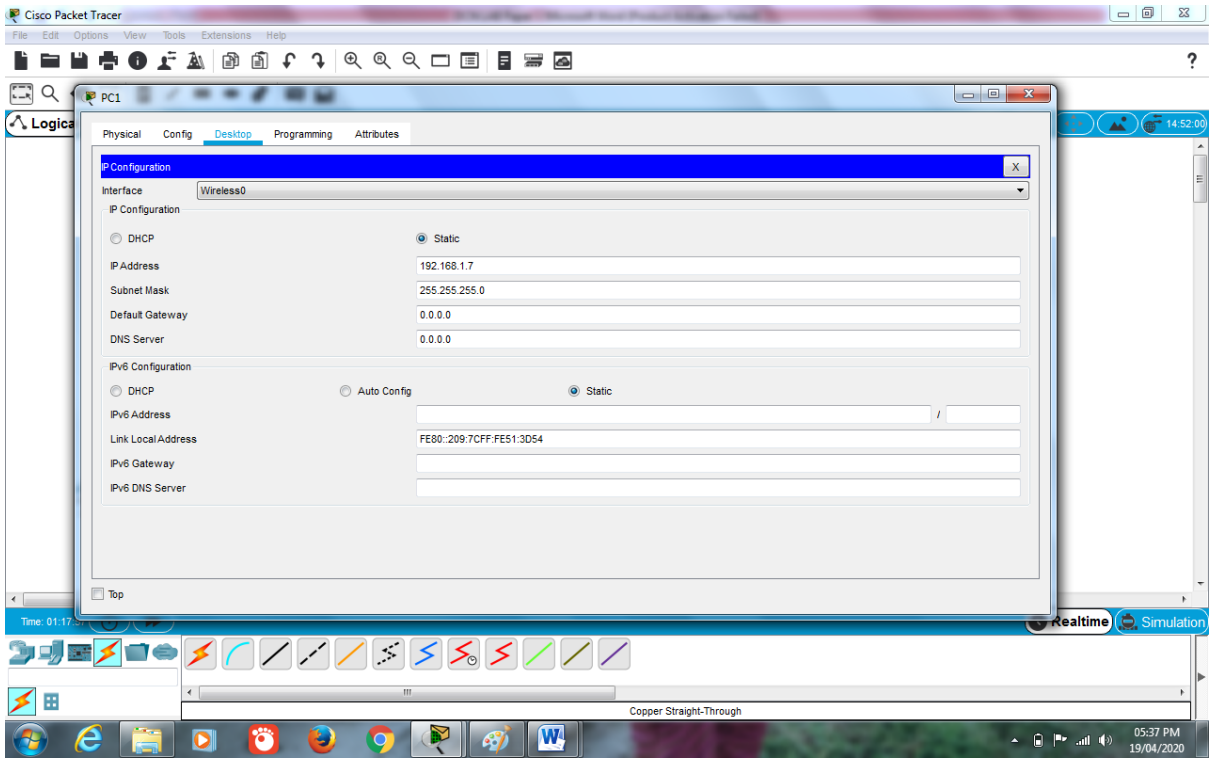


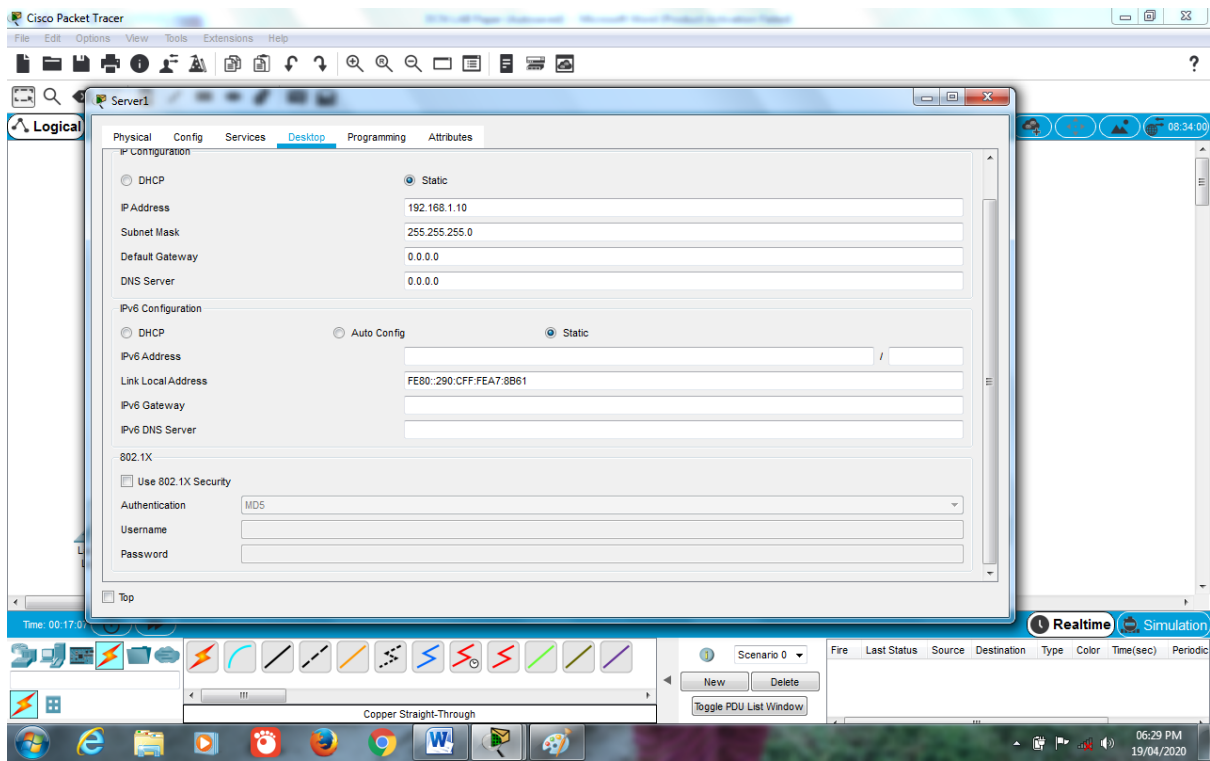
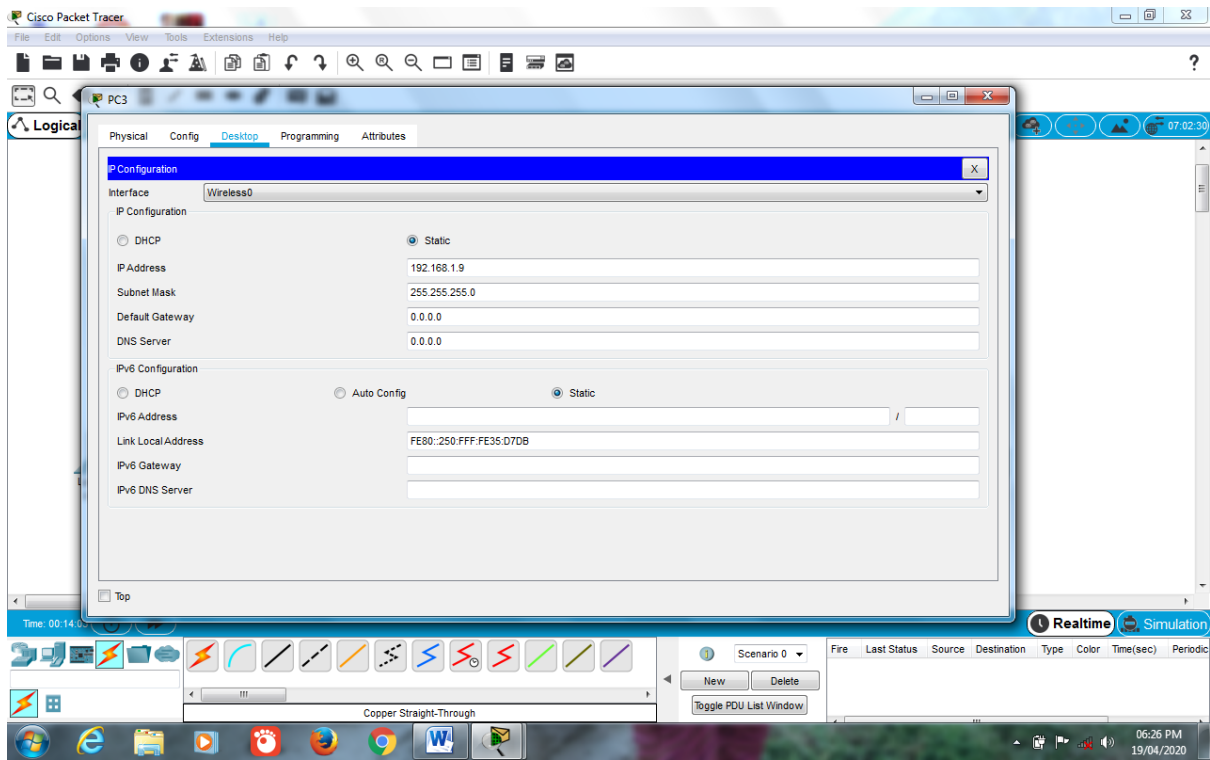
IP Addresses and Subnet Masks:



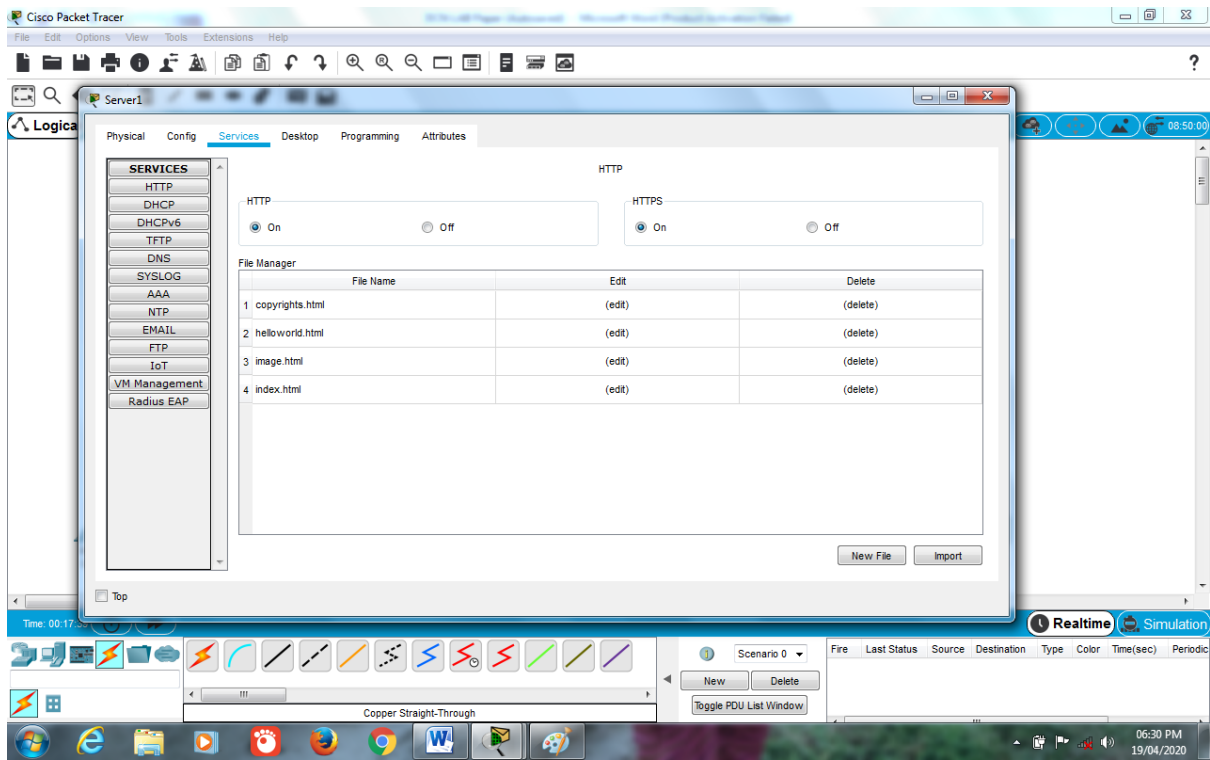








HTTP in Server1:



HTTP Server from the Client and Results:

