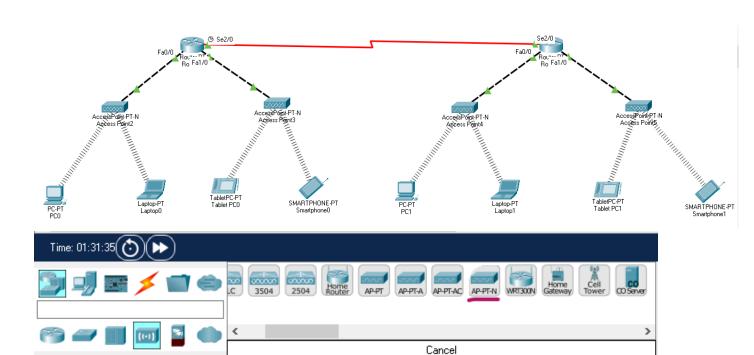
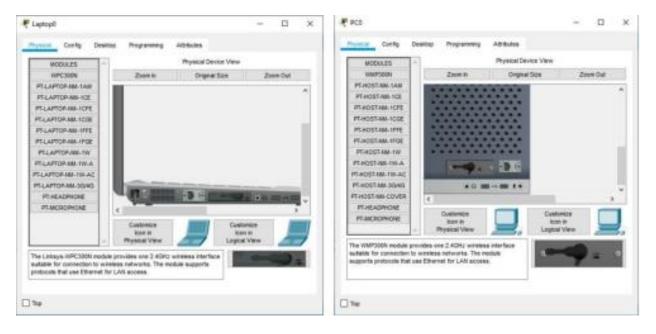
PRACTICAL NO: 06

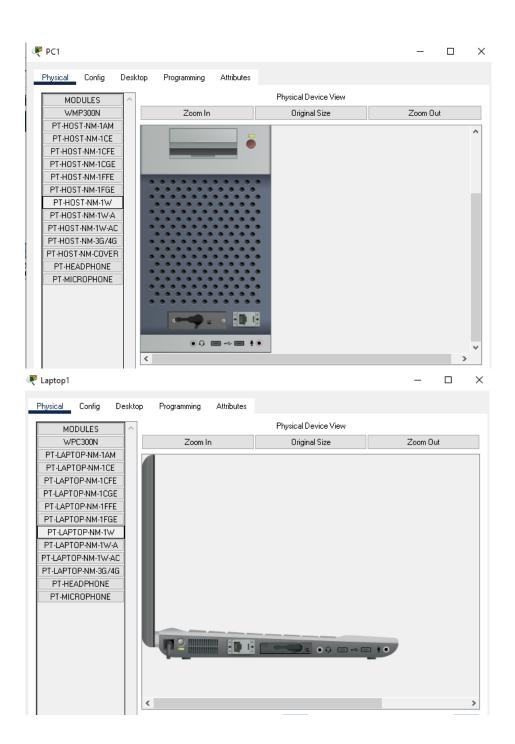
Aim: Implement a Wireless sensor network simulation.

Step 1: Putting together all the end devices, Router and Access points.

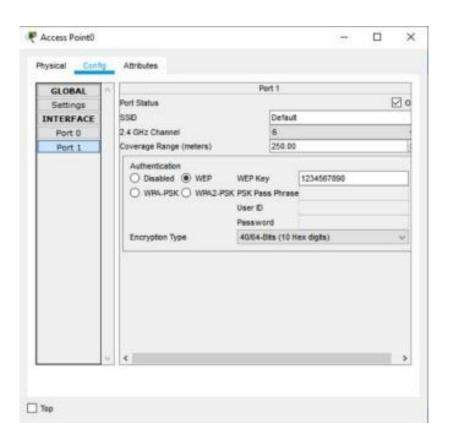


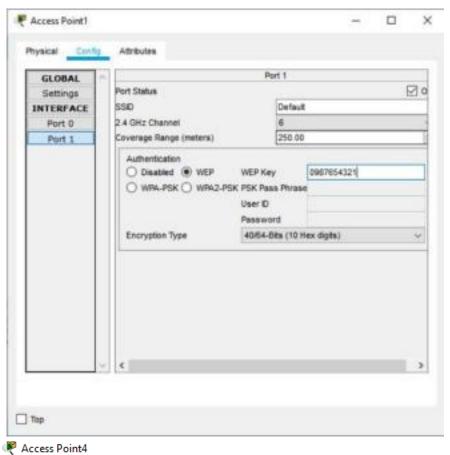
Step 2: Switching on the wireless interface on Laptop and PC.

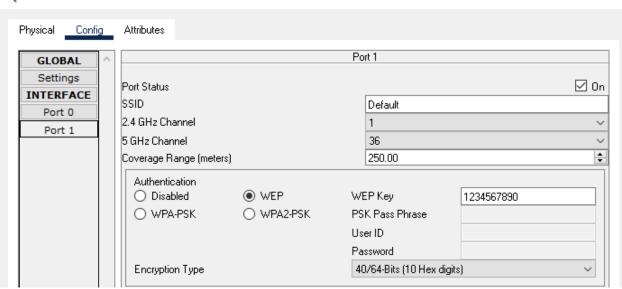




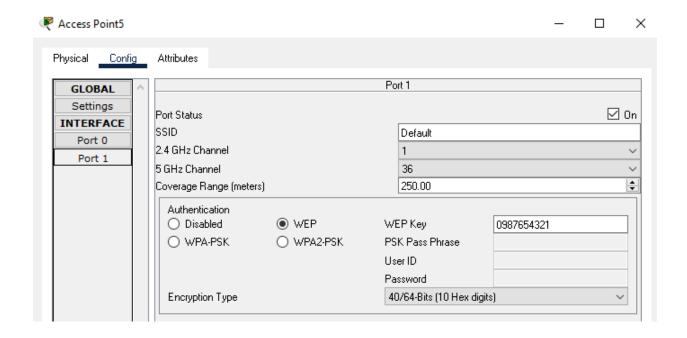
Step 3: Enabling WEP Authentication and securing the Access points.



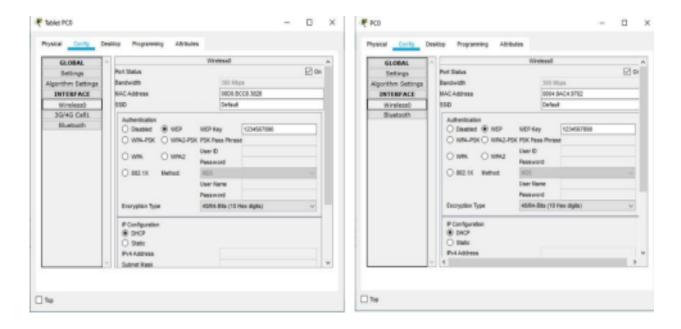


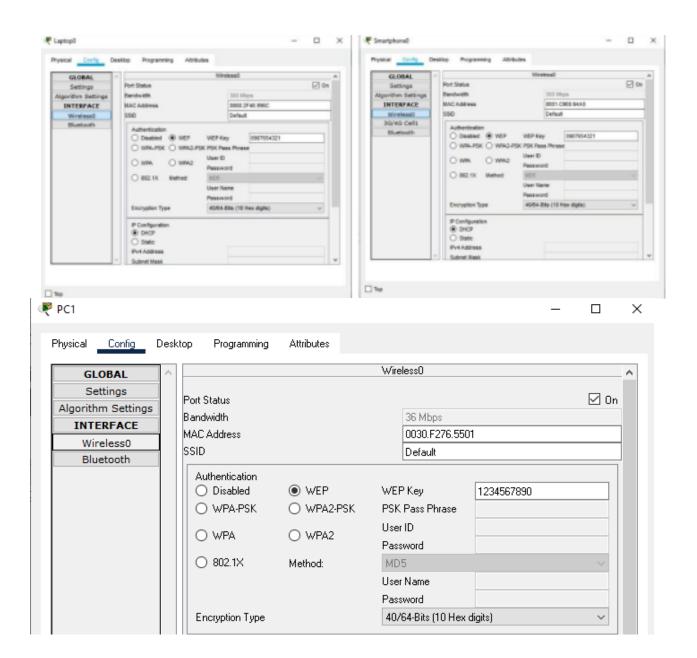


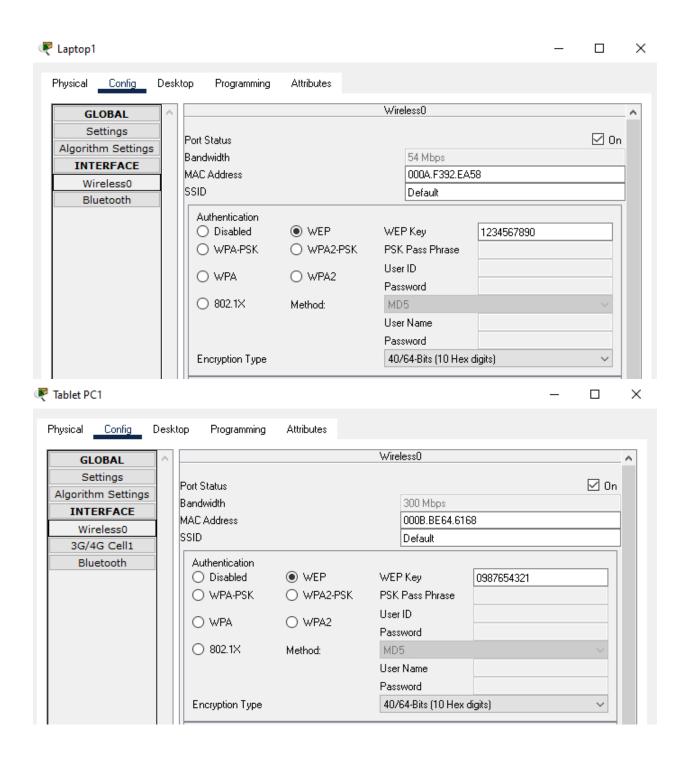
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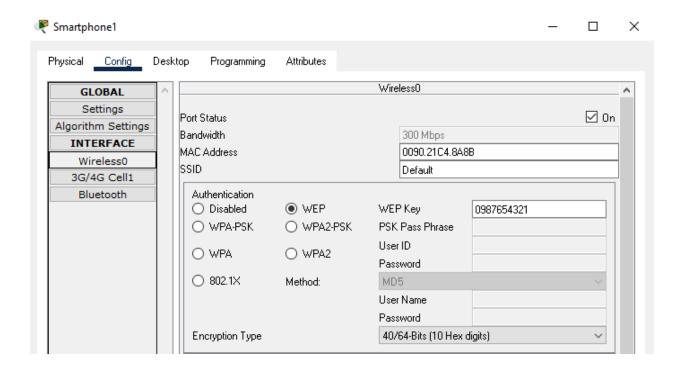


Step 4: Configuring End Devices to connect to the Secure Access points.

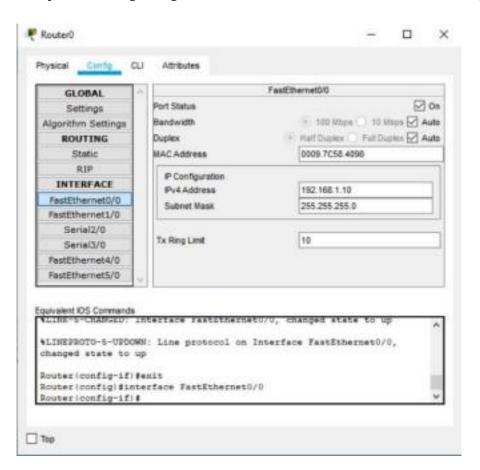


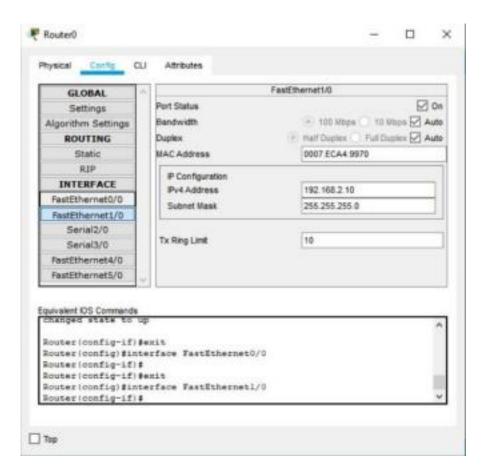


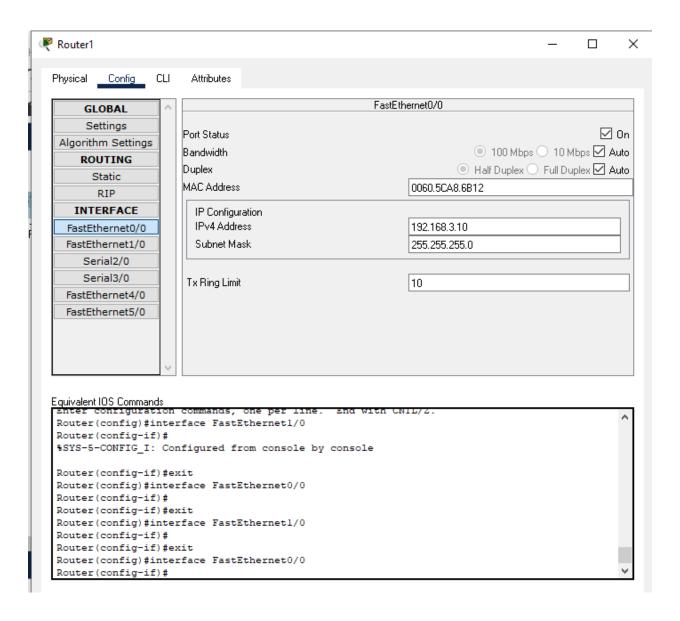


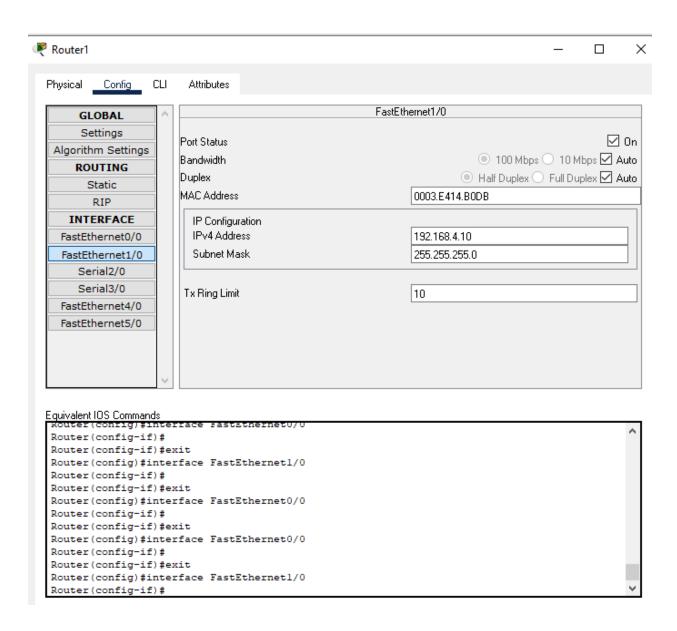


Step 5: Configuring IP addresses on Router and switching it on.

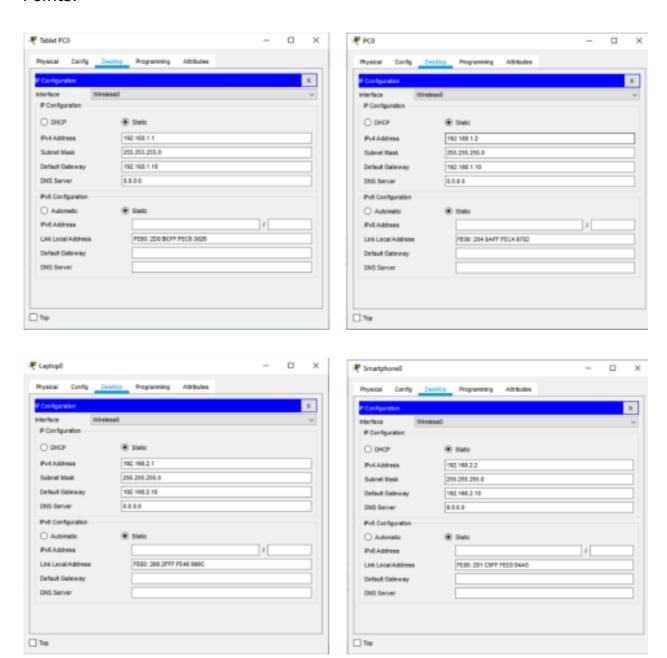


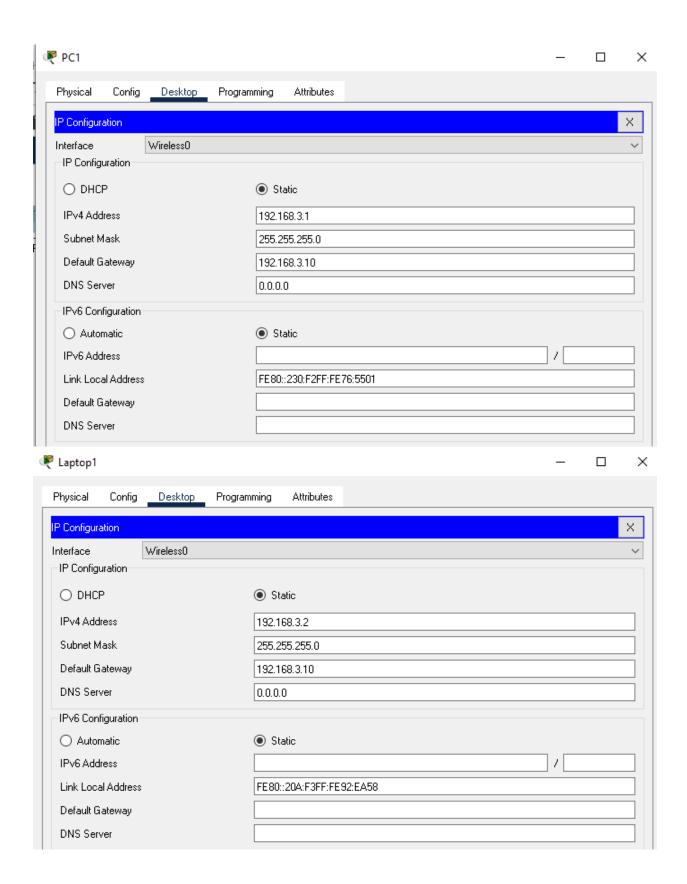


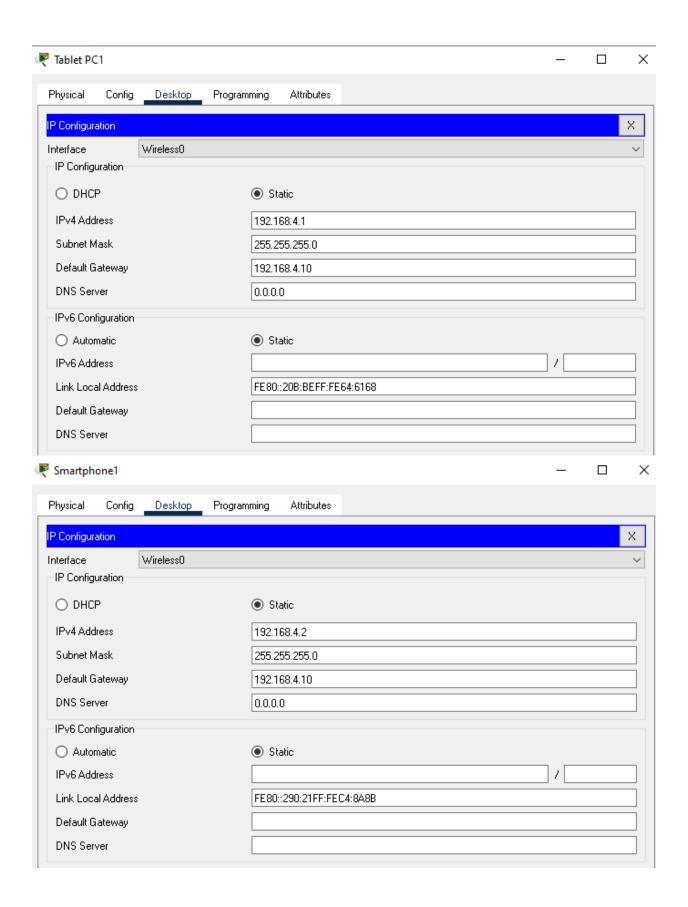




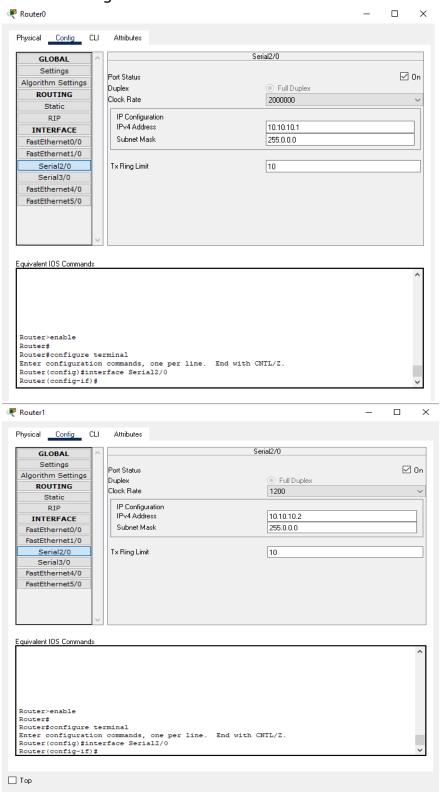
Step 6: Configuring IP addresses on End Devices connected to Access Points.



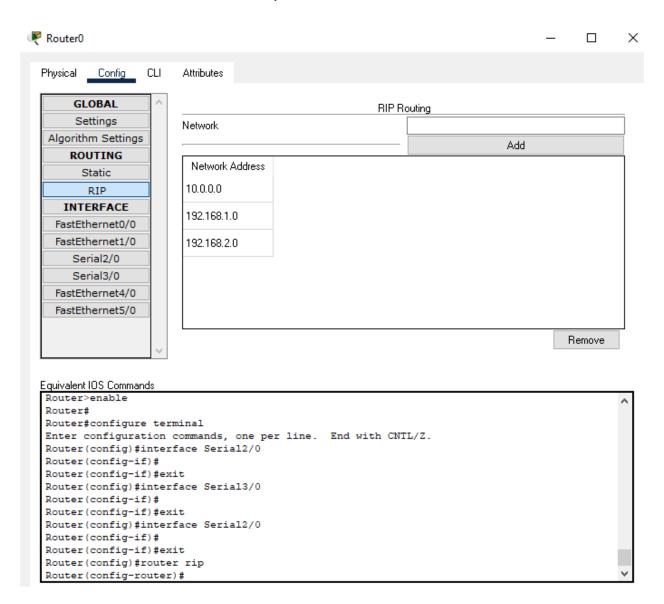


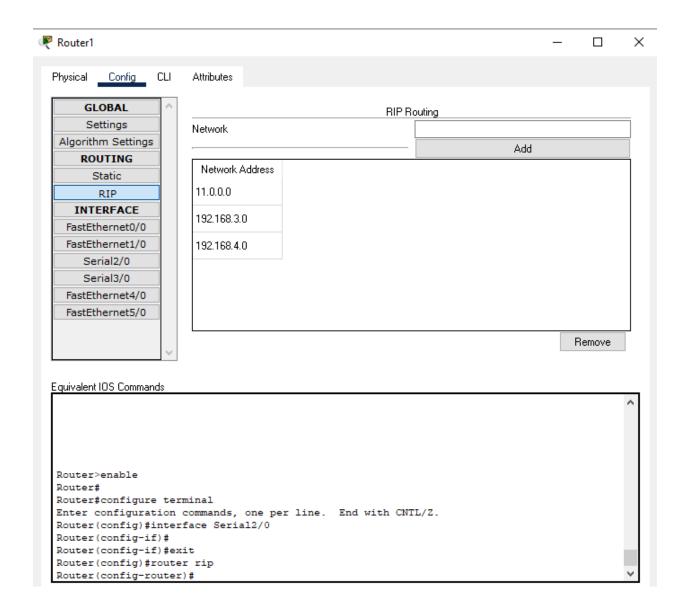


Step 7: Configuring IP addresses for Router-to-Router Serial Communication and switching it on.



Step 8: Configuring RIP Routing Protocol for Communication between all the devices across the Two Gateways.





Step 9: Checking if all the end devices across the wireless network can communicate with each other.

Fire Last Statu	s Source	Destination	Туре	Color	Time(sec)	Periodic	Num	Edit	Di 🔨
 Success 	iul Tablet [Laptop1	ICMP		0.000	N	1	(edit)	(d
 Success 	ful Smartp !	Smartphone1	ICMP		0.000	N	2	(edit)	(d
Success	ful Smartp i	Tablet PC1	ICMP		0.000	N	3	(edit)	(d 🗸