ECE4016
Computer Network

117010437

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#Task1
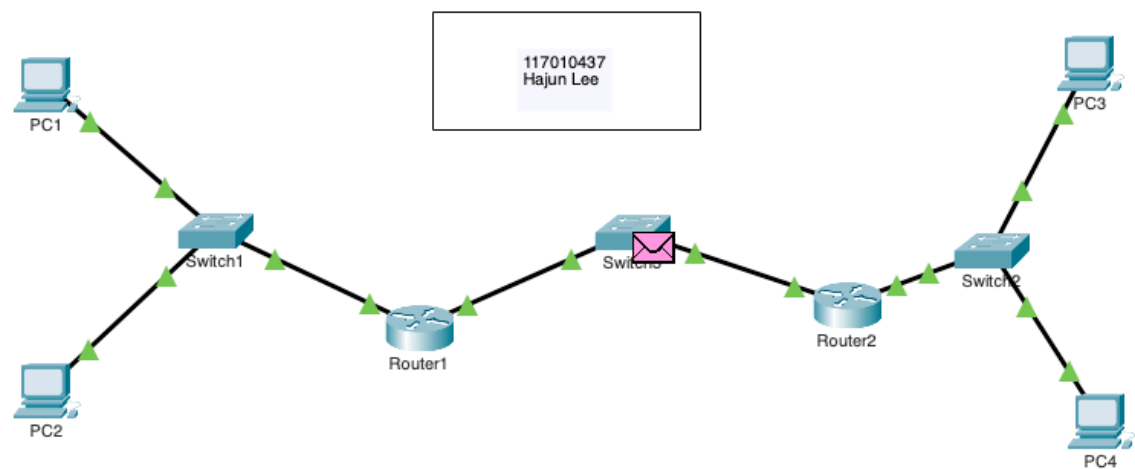

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Process

1. Make 4 PCs, 3 Switches, 2 Routers
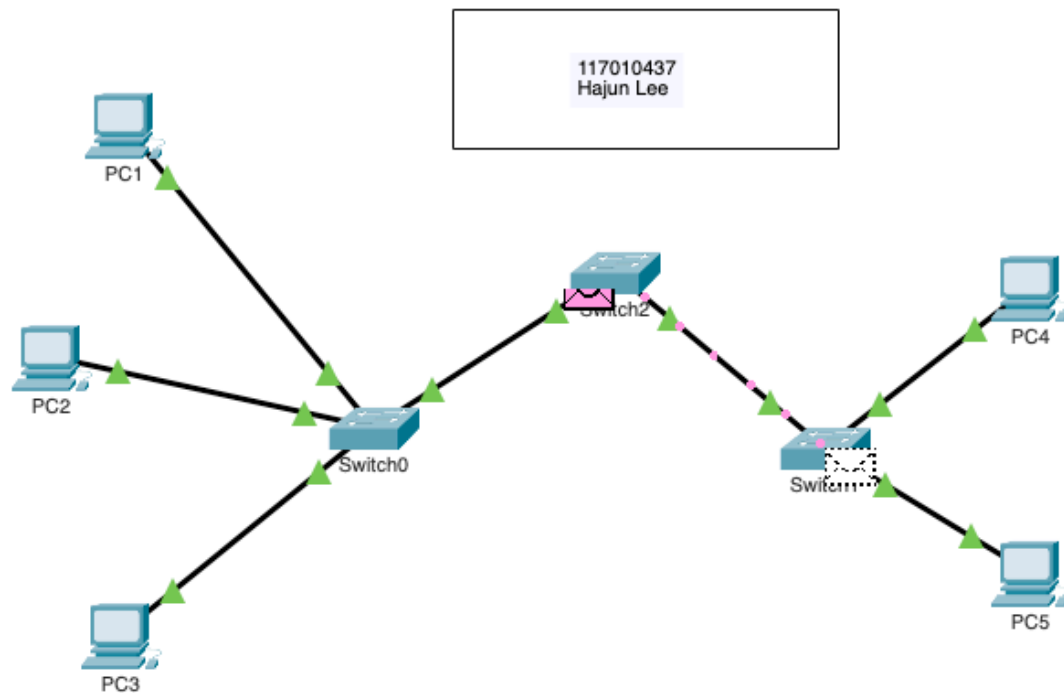2. Connect to each other
3. Set the ip address for 4 PCs and 2 Routers

Result

Successful	PC1	PC2	IC...		0.000	N	0	(...	(delete)
Successful	PC3	PC4	IC...		2.769	N	1	(...	(delete)
Failed	PC1	PC3	IC...		0.000	N	2	(...	(delete)
Failed	PC2	PC3	IC...		0.000	N	3	(...	(delete)
Failed	PC2	PC4	IC...		0.000	N	4	(...	(delete)

Difficulties

For connecting Routers with switch, I don't know how to do that using switch. So that's why for PC1, PC2 & PC3, PC4, it couldn't send messages each other.

#Task2

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Process

1. Make 5 PCs, 3 Switches
2. Connect to each other
3. Set the ip address for 5 PCs
4. Open each switches command line interface (CLI)
5. Set hostname, interface vlan10 and vlan20 with ip address

Result

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC1	PC2	IC...		3.955	N	0	(...	(delete)
	Failed	PC1	PC3	IC...		3.963	N	1	(...	(delete)
	Successful	PC1	PC4	IC...		0.000	N	2	(...	(delete)
	Successful	PC2	PC4	IC...		0.000	N	3	(...	(delete)
	Successful	PC3	PC5	IC...		0.000	N	4	(...	(delete)

Difficulties

Even though, I have connected with switch and set about the different ip address include vlan, I didn't know how to communicate with each different ip address.