## Observation Book:

Lab #1 interface Overview: The components used one! New Bar: This bar consists of File, Edit, Options, view, Tools, Extension and Help menus The basic commands such as open, save and contents. 2. Common Took Bar: This bor provides access to these commonly used workspace tools: Select, Alone, Layout, place note, Delete, Inspet, ek. 2 workspace: This region is where we can create a network, watch simulations and view many tonds of information. 4. Realtime/Simulation Bor : We can toggle blu scal time and simulation mode of tabs on this box. This bar also promides buttons to priver eyele demes and fast-forward time as well as the play control buttons 5. Network Component Box This component lets the user choose demices and connections to put into the worldspace. It contains the device-type selection Box and the Device-specific selection box. 6. Decerce-type selection Box: This comparent contains the type of deures and immediate available in paddet tracor. The device-specific selection Box will change depending as which type of down goy Ewost. 7- peurce-specific selectry Box; This component lets the wer choose specifically which downs they want to put in their returns and the connections to be made 8. Uses created packet window: This window packets that are put on the managos the network durg simulation. From source to destination worry hub and switch as connecting devices and among training pring

Am : To create sample network consisting of SPG connected to a contol hub is another network with 3 pc convected to a switch. TIES connection will kelp absence the behavior of data transmission. ung suach. Topologo: 3 Pes are connested to a switch way straight though atnovnet calls this broadrasts packels to all observation: switch forwards packets any to appt. making it make address extr. topslogy nore affresent. PC to somer 050x - P/ 10-0-0-2 Hm: To get up point to point nowork between a PC, seriet facilitary direct communication to observe data excharge A PC is connected to a series using cross-over ethernet cable 1.P address of PC: 10.0.0.1 + D. address of Serves: 20.0.0.2 observation. The direction connection allows Pc to commencate with some which typical in small networks for tasks suches file shory, service regurts) tobay gering respons to chest que

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Difference low switch I Hub HUB 5 SWITCH Hub broadcasts data to Switch sends alouta only to destination all deuter Switches reduce traffic by directing data Itabs create more traffic Hubs wask at physical switch operates at data int rayon Hung one slover due Switchs are factorists declicated bandwith to shared bandwidth Shuitches so expensive Hubs are cheaper.