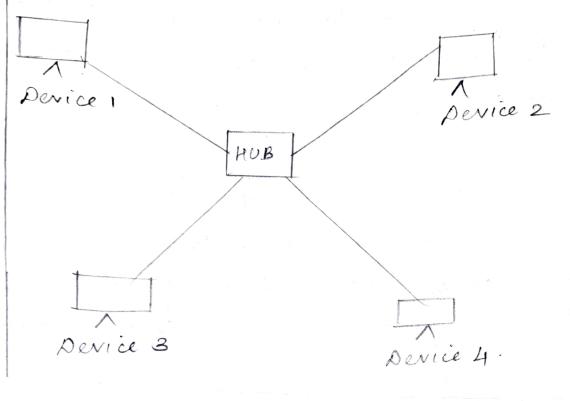
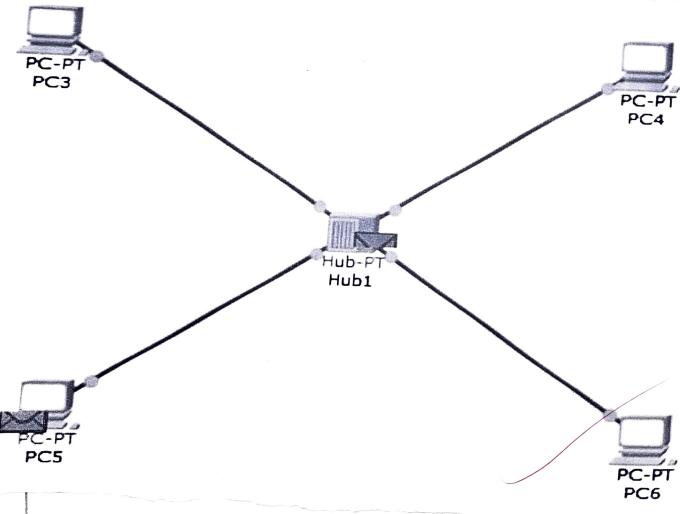
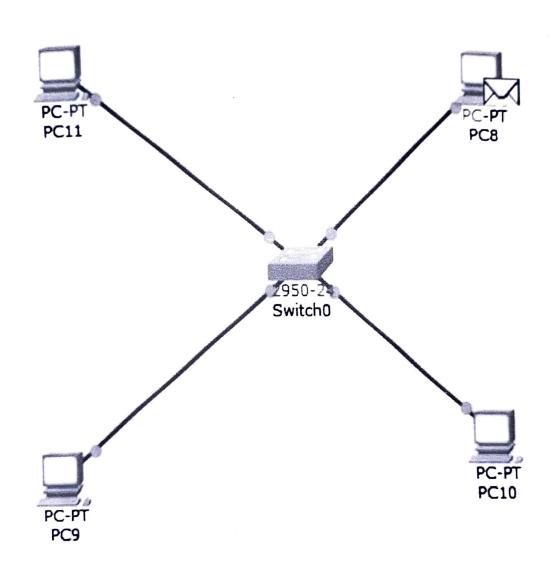
varie. 4/08/25 PRACTICAL - 3 PACKET TRACER TOOL INSTALLATION AND USER - INTERFACE OVERVIEW. to wanderst Alm:-To study the Packet tracer tool Installation and User Interface Overview. INTRODUCTION:-A vinulator, as the name suggests, simulates network devices and its environment. Packet Tracer is an existing network design, simulation and modelling tool. 1. It allows you to model complex systems without the need for dedicated equipment. 2. It helps you to practice your network configuration and trouble shooting skills via computer or an Android or iOS based mobile device. 3. It is available for both the Luiux and Windows disktop environne 4. Protocols in Packet tracer are woded to work and behave in the same way as they would on real hardware. Analyse the behaviour of network devices using USCO PACKET TRACER simulator 1. From the network component box, click and drag-and-drop the below components: a 4 generic PCs and One HUB. b. 4 Greneric PCs and One wwitch 2. Click on lonnetions: a llick on lopper Straight-Through b. Select one of the PC and connect it to HUB using the casel The link LED should glow in green, indicating that the link is up Similarly conned remaining 3 pcs to the HUB. c Similarly connect & pes to the switch using copper straight - through cable.

3 click on the PCs connected on 19
go to the Desktop tab, click on 19 Configuration, and enter an 10 address and subnet rask. Click on the PDV (musage icon) from the romaion tool bour. a Drag and drop it on one of PC and then drop it on another PC connected to the RUB. 4. Observe the flow of PDV from source pc to distination PC by relecting the Realtine mode of schulation 5. Repeat step #3 to step #5 for the PCS connected to the switch. 6. Observe how HUB and switch are forwarding the PDV and write your observation and conclusion about the behaviors of switch and MOB.

STUDENT OBSERVATION (a) From your obs write down the behavior of Switch and HUB in term of forwarding the packets received by them It is a basic networking device that broad casts all the packets it receives to all devices connected to it, regardlers of the destination address. SWITCH: A switch is an intelligent device that learns the MAC addresses of devices connected to each of its ports: When it receives a packet, it forwards it only to the poet where the destination device is connected. (b) Fuid out the network topology implemente his your cottege and draw and label that topology in your obe book.







RESULT:Shuesefully simulated and analyzed packet
forwarding behaviour of HUB + ewitch
using asco packet traces.