CNT Assignment 5

- Aim: Using a network simulator configure:
 - VLAN

 - ii) Dynamic trunk protocol

Theory:

(1) VLAN

- VLAN is a logical grouping of network devices. We break large broodcast domains into smaller broadcast domains.
- Two VLANS cannot communicate with each other without router.

Access Link

- In access link, switch port is connected with a device that has standardized Ethernet NIC.
- Access link connection can only be understood with single VLAN. That mons all devices connected will be in single broadcast domain

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٤	Trunk Link
	- Here switch port is connected with a device that is capable to understant multiple VLANS.
	- Trunk link connection is used to connect two switches or switch router. Trunking allows us to send/receive VLAN information across network.
3	STP
aprol a	- Spanning tree protocol is a network protocol designed to prevent layer 2 loops. - It is standardised as IEEE 802. D protocol
33,	TSTP blocks some ports on switches with redundant link to prevent broadcast storms & ensure loop Free topology.
*	Condusion: Thus we have configured VLAN, Trunk link & STP.
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