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Class Number : 04

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**Theory part:**

Hub>> port to port data transfer korte pare na l broadcast koree fele.

Switch>> port mirroring =/ monitoring

What is monitoring port?

Port security:

Switch > virtual LAN (VLAN) possible

\*Router

\*Load balancer

\*active/active> 1 active node

Active/ passive

\* Load balancer> IP thakee(Virtual IP)

\*DNS

\*Round -Robin> send request to the nearest server

\*proxy server

\* Firewall

\*NAT( Network Address Translation)

\*UTP( Unsheilded Twisted Pair)

\*STP> and ScTP (Screened twisted pair)

\*CAT5(gigabyte ke support ditee paree na) and CAT5E(gigabyte ke support dite paree)

\*Cross-over>>same type device communication(like two computer)

\*straight -through( different device >> like computer vs switch connection

\*PING(Packet Internet grouper)>> it works in network layer

\*TelNet>>it works in application layer

\*POP3>> folder create korte pare na.

IMAP4>> folder create korte pareee.>>port->143

\*SMTP> Email protocol > for sending

\* Wireshark> packet computing tool.

# wireshark

· tcp

· ip.addr

· ip.addr == 192.168.68.126

· ip.src == 192.168.68.126

· wireshark à statisticsàhttp

· testphp.vulnweb.com/login.php then type user id and password of any

o then go to wireshark and type http.request.method == “POST”

o find HTTP /userinfo.php

o then goto HTML Form URL Encoded: will be find user id and password

http://vulnweb.com/

http://testphp.vulnweb.com/login.php

http.request.method=="POST"

**Lab Part:**

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