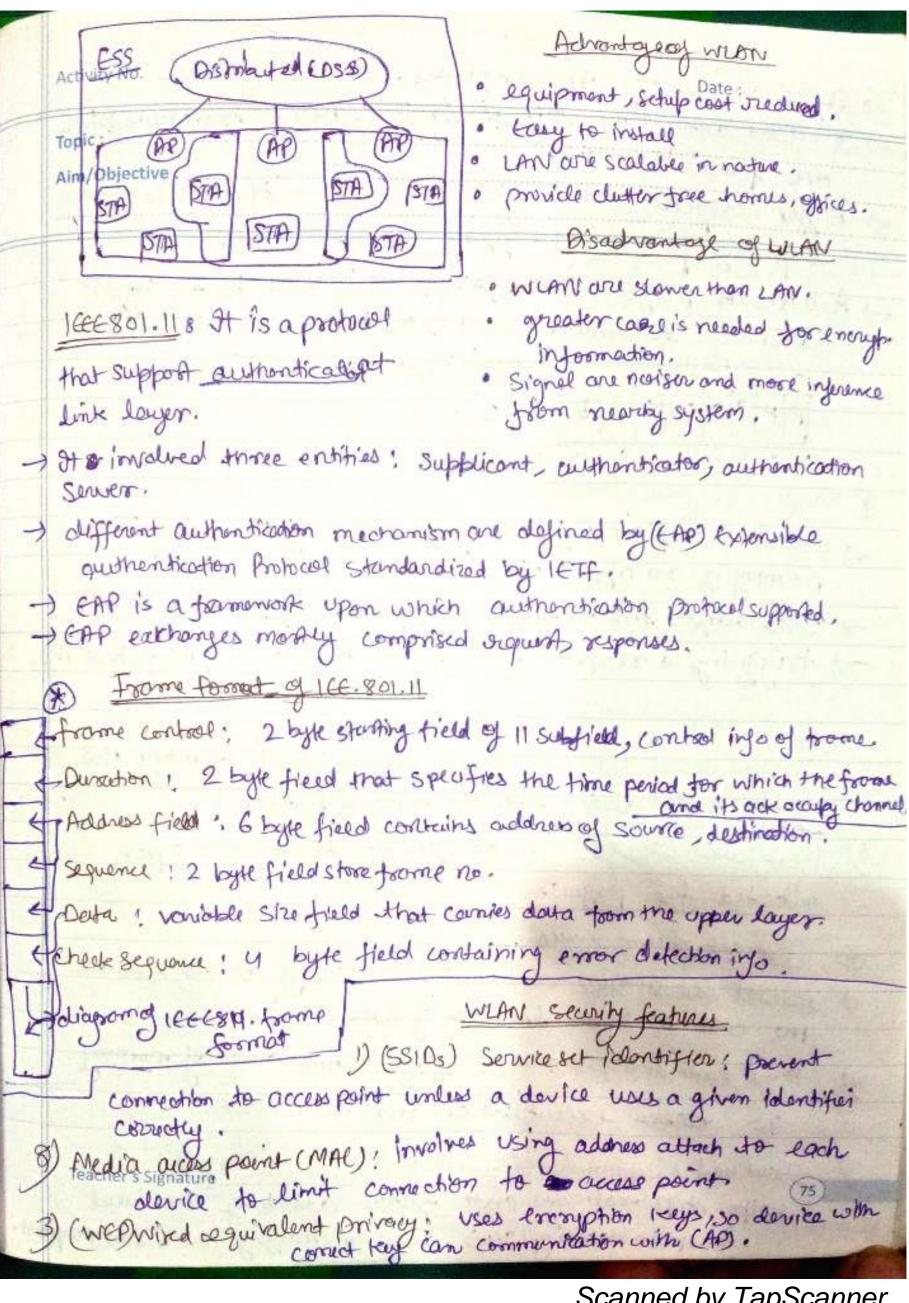
Beautify is sues on wireless Network when transmit and recieve data using readio wome father than wires. Yhis lack of physical barrier makes WLAN vulnerables unlawful interception, hocking, a range of other cyber security 13 mile -> Denal of Service attacks when the intruder-food the new with man affecting the anatability of new resource. (MHb havens attack torte ha our available resoure use tote hain illegaly) -> Spooting & session hipacking: attackers goin access to new storter & tresources by assuming identity of valid user (kisi power ka i'd lagin pausword chura to resource use Kr lett hair). -> Eaverdropping - whon authorized third party intercept the date being transferred over sewe retwork WLAN, IEEE802-11 Architecture (Imp) Components: 1) (STA) Stations: Steetion comprises all devices beguipments that are connected to wireless LAN. Two types Station, · (wireless Access point) WAP? WAP are generally wireless router that forms bose stations or access. · Client: Clients are workstations, pc, lapter, printer, comphones Bornic Service Set (BSS): Or grap of Station Communicating at physical layer level: Bss can be 2 categories: e Independent BSS, device communicate witnestherder transf · Infrastructure BSSI devices communicate to par-to-par book in adhar manner. 3) Extended system set (ESS): His Set of all connected BSS. (19) Distributed System: It connects access point (AP) in Ess.



Bitheronallon -) Buyer on moment storage orgions. -) It hold data temposodily while it is being transferred from -) Buyer origious occurs whom volume of data exceeds of trage capacity of momony buffer. -, As a result program attempting to write data to the bygor overwrite adjacent memory exceptions.

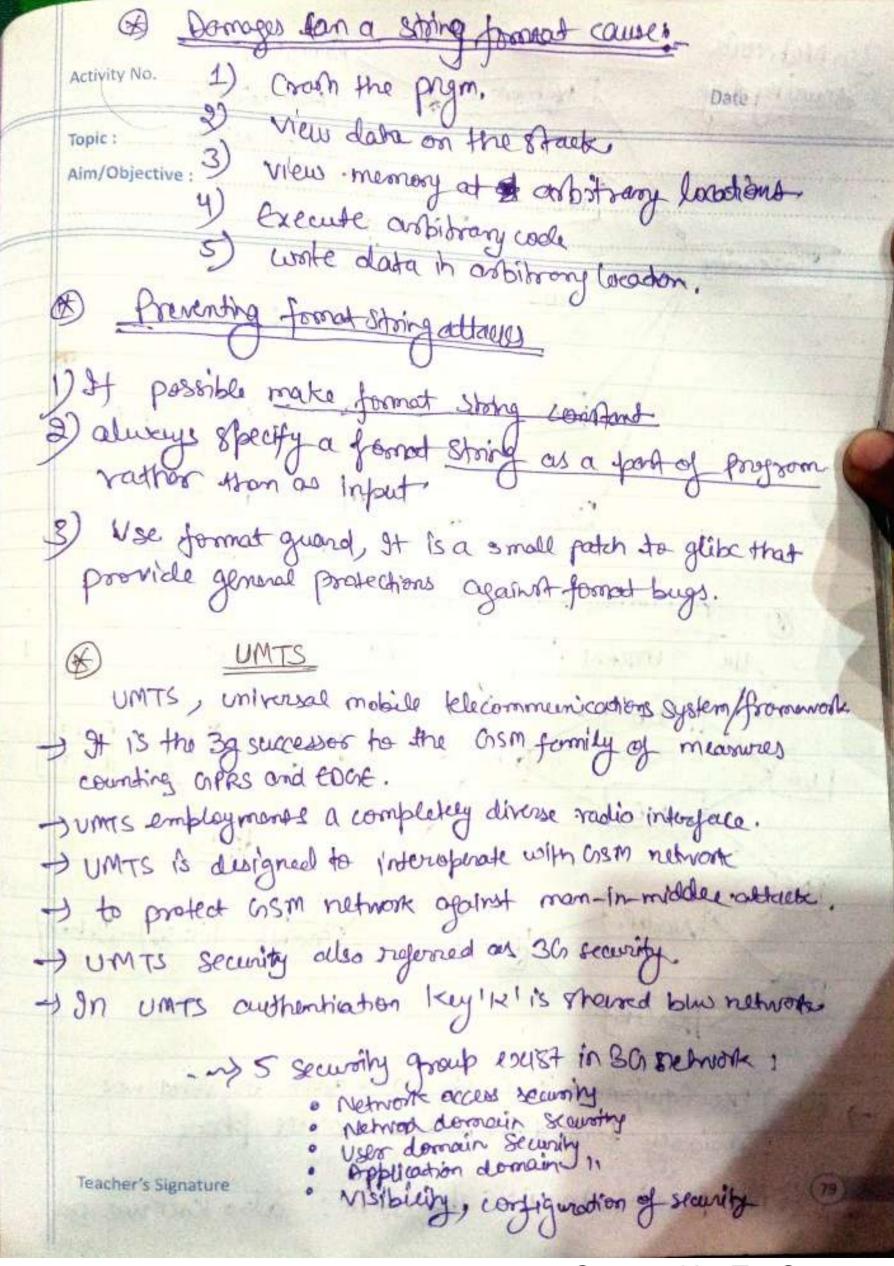
- Buffer - overywa (2 byte) P/A/3/3/WO/R/D/1/2 0 1 2 3 4 5 6 7 8 9 (Byger everylow attack 8:1 - attackers exploit Buyer overylow issues by overwriting the memory of an application -> 4 his changes the execution path of the program -) triggering a response that damage files or expose private into D Typus of Buffer a Hack 1) 'Stock based buffer overflow! leverage stack memory that only exist during execution time of function. 3) theat board attacks: involve flooding the mamony space allocated for pagms. D frevent Buyer overflow & 1) (ASLR) Address space vandomization, randomly moves around the address space locations of data regions. 2) Data exposition presentation: flags certain areas of mornory 95 executable or non- executable. 3) Structured exception handler overwork protection (SCHOP); helps stop malicious code from attacking sinchused exception Handling (344), a system manging How & 5100 exception Scanned by TapScanner

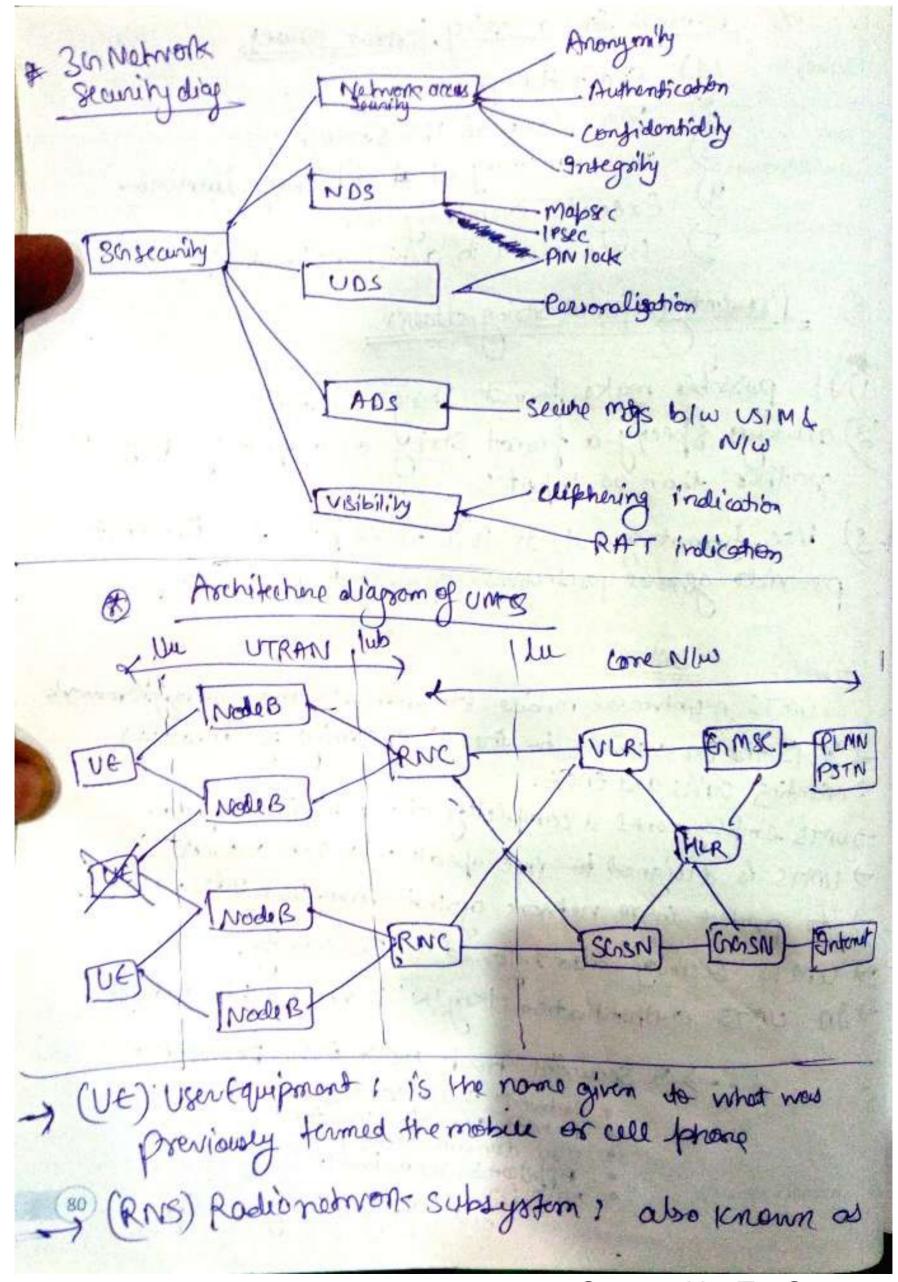
teaturnio SQL eg; get Request Story ("ser Id")) 45+39L: "Selast x500m Wer where Userid = 11 + tet user 101 (Comman sol injections - Retrieving holdendate, where we can modify sal Query to return add result. Union attack! where we can retoleve data from diff allow. -> examine the dB is we extract lys abt veryon/structure of ds. -) Blind SQL Injection: where the regult of query use control & not retrieved in application response. of how to detect soil injection vulnerabilities ? It can found using web vulnerability scanner l manually by using a systematic set of test against entry point in the application (*) Format Storng attack -> journant strong explait occurs when the submitted date of an input string is evaluated as a command by application. -) attackers can earny injent maticious code into string & Occes State.) It exploit the congraming language

format of format string attacks:

chart user input = "foolar";

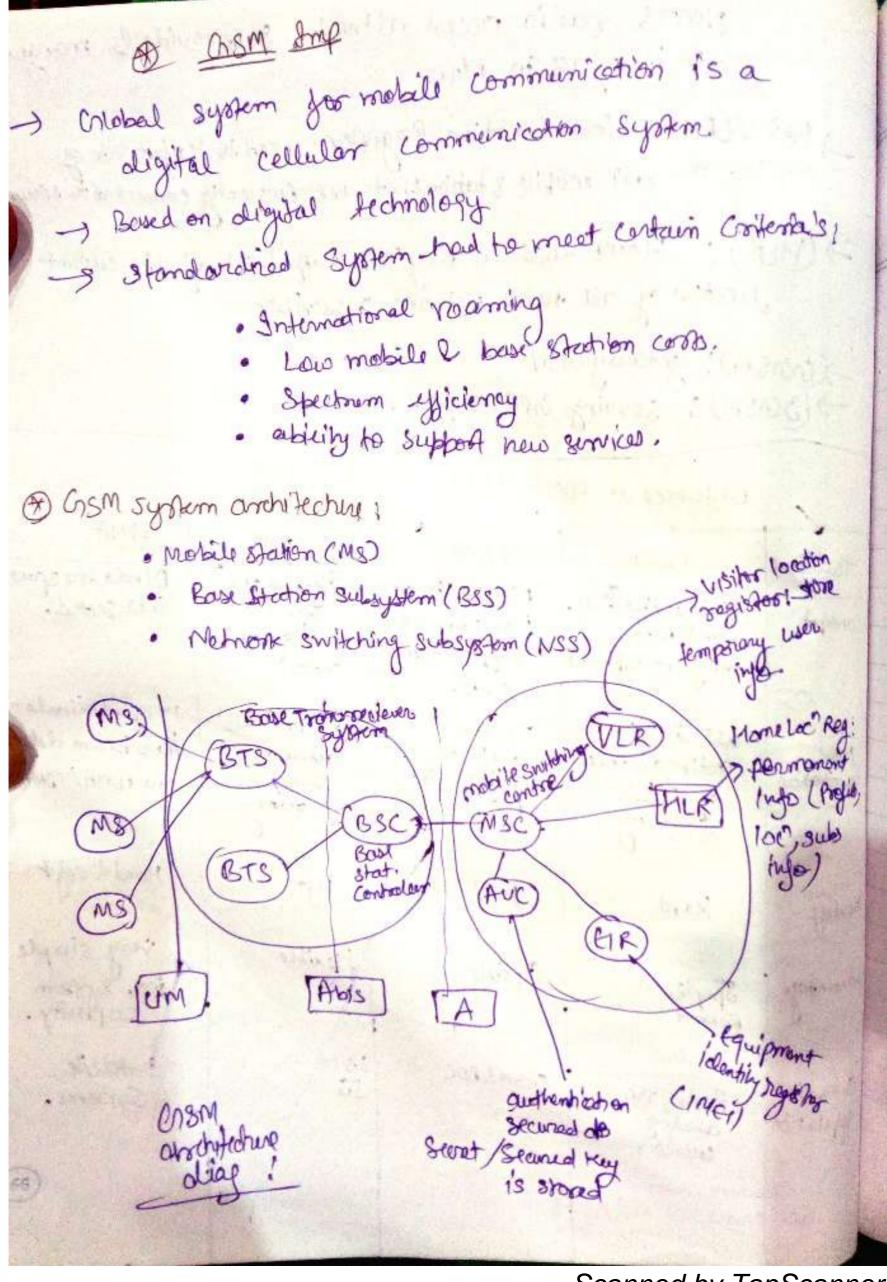
print (user-input);





Scanned by TapScanner

Activ	iv Noair interjan	e in now.		vide. l morage
-) (M)	CVLR: visitor objective: all mo R): Home I Location of all.	Location Registrate ocation Register home network:	Der; used to k are currently or keep track.	completed to Mw.
->(30)	isti): serving	SNY COPPES SUPPORTURE	ede.	
teamique	(COMA	SDMA
concept	divide the frey. bond into clisjoint Subband			Divide the space into sectors.
Active termination	active on their specified fraguency	Terminal active in their specified slots.	all ferminals audite on Samp graquery	Revi beam depend on FDMA/TDMA.
Mandaff	Kard	riand	Soft	Hand 4 sight
Advantage	Simple, Robust	flexible	Herible	inc. system capacity.
Current application	Radio, TV analog cullular ther's Signature	CASMAPDC	256 36	Sedellik Symens.



Aim/Objective; unbrella:	s antennoi 1. enna Sheigh 3 mall (ell) cover show	Indior.
· International recorning	Compone	ent function
· Low service anality · Low service cont · New feat	BTS	Encoding, encryption, decorption, multiplixing, modulation
N3S: Notwork switching	Bsc	Frequency helping control. Traffic management. Power management
0		(Manay management
	Msc	Registration, authentication. Loch expolate, call meeting call setup, supervision