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	Css lab 8
	Aim: 70 simulate butter overflow attack using
	Splint.
	the state of the s
	Theory
, 4 ,	
14213	Butteroverflow is a mistake that east in some
-	C implementation. These classes of bugs are
	congerous as they worke point the end of a
	bester or com and hence consupt the
	process stack.
Y 1	They often change the return address of a
	process after a function call to record
*	memon locatron where a malicius code is
	planted
2	
2	There are 2 main types:
	a) stack based attacks.
	b) Heap hased attacks.
	Light - h
	Help hased citarks ose the one which flood the
	memon space desented for a program, but the difficulty invoked with performing such an attack
	makes than an attack
4 T A	0, 10, 00, 0
	stack based butter overflows are by for the
	· · · · · · · · · · · · · · · · · · ·
Sundaram	FOR EDUCATIONAL USE

1	Splint rool:
	1) splint is a tool for statically checky a
	programs for receipt volves abilities and
	programming mortales.
	2) spint toos many of the traditional link checks
1. 1.	including use before destritution, type inconsistencies.
	ue house doinitaion, unreachonie code, ignored
	return, executor paths with no reman, likely
	infinite loops and 1211 through cases.
	3) More poverful check are made possible by
	addi. into given in source code anotations
	1) In addition to the check specifically engined
	by annotations, many of the toan link cheak are
	improved by exploity additional information.
	5) Splint is designed to be that ble & allow programmers to
	select appropriate points on the effort henetit Curve
	0 11 1 11-d b 201-0+ 11-1
	Problem detected by splint include.
	Deterency a possibly hall pointer
	Using underned storage.
	Type mismatches with a sealer precision.
9) 5\	Voilobo & intermation hiding
·)	Modifications & global veriging uses that are inconsistent.
7)	Problemate Control flow.
-	Buffer Overflow verlesshillings.
8)	DOJANO OVAFIOO VOITEDANIJIPOS
, k e	Conclusion: Thus, 7 have successfully simulated butter
7	areflow, ottach using splint tool.
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