	Vorksheet #6 – Autumn 20		_
	UW		Date:
	nis activity:		
Will you want to pick	up your worksheet later? C	Fircle one: Yes / No	
Q1: What might an a stack?	attacker be able to accompli	sh even if they cannot ex	xecute code on the
Q2: What might be	a good value for a stack car	nary?	
int openfile	code is to allow a program to char *path) { st stat s;	to open regular files, but	not symlinks.
if (sta	at(path, &s) < 0)		
	return -1;		
if (!S	_ISRREG(s.st_mode)) {		
	error("only allowed to re	egular files!");	
	return -1;		
}			
retur	n open(path, O_RDONLY)	;	
}			
Can you spot any po	otential problems? What pro	blems do you spot, if any	y?
Q4: Consider this c	ode:		
char buf[80];			
void vulnerab	e() {		
	ead_int_from_network();		
	read_string_from_networ	k();	
-	izeof buf) {	U,	
	("length too large, nice try	/!");	
retur		•	
}	,		
memcpy(	buf, p, len);		
}			
And note the following	ng definitions:		
void *memcpy	v(void *dst, const void * sr	c, size_t n);	
typedef unsig	ned int size_t;		
Can you spot any po	otential problems? What pro	blems do you spot, if any	y?

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Q5: Consider this code:
    size_t len = read_int_from_network();
    char *buf;
    buf = malloc(len+5);
    read(fd, buf, len);
Can you spot any potential problems? What problems do you spot, if any?
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Q6: What issues, if any, do you see with the following code for password comparisons?

// The following is the functional description of the code -- what it should do PwdCheck(RealPwd, CandidatePwd) should:

Return TRUE if RealPwd matches CandidatePwd Return FALSE otherwise RealPwd and CandidatePwd are both 8 characters long