Date:	20
Name: Mechammad laraib Akhtar	
Section: BCS-3B	
Roll no: 212-5294	
Course: COAL	
Assignment: 1	
Q1. a. add ax, bx Ax=0x334A	
Bx = 0 x 45 F1	
$334A$ $Cx = 0 \times 8934$	
+45F1 ZF = 0 SF=0	
793B CF=0 OF=0	
b. add cx, bx	
8934 ZF= 0 SF= 1	
+ 45 fl CF= 0 OF=0	
CF 25	
C. 45F1"	
- 6 ZF= 0 SF= 0	
45EB CF= 0 OF= 0	
Q ₂	
a, 0x6900	
big Endian format	
lower address: 69 Higher address: 00	

Day	у:	Date:	/_/20
	b. 0x4567	Chair come money departs	
	Lower address: 45		
	Higher address: 67		
	O .		
	C- OX AA 99		
-	lower address: AA		
	Higher address: 99		
-			
	Question 3		
	a. FFFF: 4312		
•	FFFFO		
	+ 4312	1	
	D0430 2	<u> </u>	
	104302]		- 1
		H.	
	b. IDEF: 0001	3 1	
	1DEFO	7.46	
	+ 0001		
	[1DEFI]		
	C- 14FF: 1111		
	14FF0		
	+1111		
4	[1610]		
			The second secon

====	
	Date: 1
	U)
	mov ax, 10
	mov bx, 5
	mov cx, ax
	mov axyo
	e1: add ex, cx
	Sub bx, 1
	Cmp bx, O
	ine la
	mov ax, ox400
	int 0x21
	Osa) bp-di
	invalid: base register and index regist
	addition possible only
	b) bp+si
	0×220 + 0×0110
	0220
	+01/0
	[OX 0 330]

tweet training training training	Vate:/_/AV
	c) bx-0x12
	0034
-	-0012
	(x0022)
	d) px+pb
	register in one memory access.
	regist in one nemer celes.
	e) bx+ip
	invalial
	no memory access can be performed
	through instruction pointer.
	f) bx +di
	0x0034
	+ 0x1101
	TOX 1135 7
	Q6.(a) 6x+si
	22 AA
	+ FEEF
	12199
	12199
	+ 45820
	47989

direct cracks delived against a	The same area area area area area area area a
No.	wraparound: segment wrappround.
	(b) 0x4700+0x4247+0x10.
	= 4700
	4247
	+0010
	0x8957
	-0 x 4 588
	401.4287.90
	4 E 1 7 7
	Physical address wragoround.
	07. (a) mov, ip, bx
Salari di	· Ip cannot be over written
37.	· mov ax,bx.
	(b) more byte bx, [ip]
	. ip cannot be manually accessed.
	(C) mov si, al
	· Size mismatch.
	mov bl, al.
	(d) mov ax, [bx+3p+100]
	. bx + bp cannot be jestormed both
	z are base negristers.
17.43	· mov av, [bx+si+100]

Question 8 OF-> O SF -> 1 CF -> 0 PF - 0 Question 9

There is no logical error in the code of Question8.

Q 10.	-
	_
org 0x0100]	
mov al, [num1]	
 mov bl, [num 1+1]	
 mor [num], bl	
 mov [$num1+1$], al.	
mor al, [num1+2]	
mor bl, [mam1+3]	
mov [num1+2], 61	
mov [numl+3], al	
mor ax, oxucoo	
int 0x21	
num1: db 1,2,3,4.	
Q11. Lorg 0x0100]	
mov bx ,0; mov bx ,0; liz mov	
mov bx, O;	
mov ax, [array1]	
mov [min], ax	
li:	
add bx, 2	
mov ax, [array 1+bx] Cmpax, [min]	
	_

Name and Address of	Complete and the state of the s
	ig la
Secure Control	cmp bx, 10
	je end
	Jeend
	12:
	mor [min], ari
N/F#	Cmp bk 10
	ine li
	end:
	mov ax, ox4coo
	int 0x21
	array1: dw 5,3,8,2,5
	min: dw 0
- 1	