		:
	Vame: Umamah Hussain	(.)
	Roll Number: 21L-1858	
	Class: BSCS-3A	
	Assignment-1	
	(() (1 () () () () () ()	
(a.)	addian, bridzino (d oopdino)	(.0
	ax=0x334A => 334A	
	bx = 0x45F1 45F1	
0	· [0] 793B	
	ZF=0:SF=0 E.(1)	The state of the s
-	OF=0; CF=0	
	FFFF: 4312 b) 10EF: 0001	(2)
b.)	add cx, bx	
	Cx = 0x8934 => 8 9 34	
	bx = 0x45F1 45F1	
	[0] OF25	1
-	SF=0: ZF=0 11. 4F+1 1.0	् वर्ष
	OF=0: (F=0	

$\overline{C}$	sub bx, 6	
	bx = 0x45F1 => 45 F1	
	6	
	CF=0; ZF=0 45 EB	
	SF=0: OF=0 transmind /	
	(0.2)	
- 1		
<u>a.)</u>	Ox6900 b.) Ox4567 c.) OxA	ACIC
	upper 69 upper 45 upper AA	
	lower 00 lower 67 lower 99	
•	0.3	
<u>a.)</u>	FFFF: 4312 b.) 10EF: 0001	
, , , , , , , ,	FFFFO 10EFO	
#	4312 0001	
	104302 010EF1	***
· ·	c.) 14FF:1111	
	1455	
	1111	
	016101	
	10101	

	Date:
- 1 A - 1	0.4
	[org Ou100]
	mov av, 12
	mor dx, 6
	mov hu, 20
Name (An America Spronger Language Control	ll:
	add dr. an
	sub bu 1
	ine 11
	mor en du
	mov en, 04400
	int Ou21

7.	(0.5 shy xd	
a.)	bp-di	1
	This is NOT relia	1
**	Only addition of base registers with	1
	inder registers is allowed a	
		1
<u>b.)</u>	bp+si la+ nd: est	1
Ö.	bp:000220 0220	
-7	$Si = OnO110 \Rightarrow O \times O (10)$	1
, <u>P</u>	0 μ 0 3 3 0	17
<u> </u>	br-0412 101+16+901	1
	020034	
	0 2 0 0 1 2	
	0 1 0 0 2 2	ř
	p. (2)	r T
<u>d.)</u>	bx+bp	÷ yhv
	This is NOT valid was at war	
•	We can not have two base registers	
	in memory access	
		AL.
_e.)	bx + ip 1007 and one	1.74
	This is NOT valid	
0	No memory excess can be performed through IA	
L	ences can be pentalined knowled still	18

		Ħ
1)	bx+di 20	
	0 n 0 0 3 4	
	0 n 1 1 0 1 26 - 90	
	0 u 1   35	
	The second of th	
	().6	
<u>a.</u> )	[cs:bn+si] 11490	
	Whole memory / Physical address wireparound	
	0x479bg	
		_
<u>b.</u> )	[bp+di+10] 61 NO - NO	
	Segment Wraperound 40177	
•	TCIII.	9
1	0.7	
	Doct by	1
(L.)	mov ip, bk	
,	IP can't be orionwritten	244
-	mal ex, bx	*
1	1 1 6 7	
. <u>b.)</u>	mor byte bu, [ip] gi + xd	
	IP can't be manually accessed mov by, Cx	
	11 1100 UK, (X	

C.) mov si,	al d.) mor en, [bu+bp+100]	
Size misme		
mov bl. a		
	· mov ax, [bn+8i+100]	
0.8		
0F = 0	; CF = 0; PF = 0; SF = 1	
Q.9		
There is y	no logical erron in the cale	
ong Coulo		
jmp steert	· · · · · · · · · · · · · · · · · · ·	
num 1: el	0-2,-4,-5,1,3	
steert:		
mo	val, [num1]	
mo	v bl, [num1+1]	1
ad	del, bl	
mov	bl, [num1+2]	
add	l al, bl	
mo	v bl, [num1+3]	
ad	dal, bl	
(m)	) byte [num1+4,4]	
jg	end end: mover, only	00
moy	byte (num1+4), 2 inton21	

	Date: _ / _ /
	0.10
	Toolfodend I was room the fo
	[0979 Ox100]
	mov ar, num1
	mor bx, [nym1+1]
	muv du, au
	mov au bu
	mov bu, du
	mor [num1], au
	mov (num1+1), bu
	mov eu, [num1+2]
	mov bx, [num1+3]
	mov du, au
	mov an, bu
	mor bu, du
*	
	mov [hum1], au
	mov [num1+1], bu
	mov eu, 0 x400
	int oual
	num1: db 1, 2, 3, 4

org 040100] mor an, [wonay 1 mor an, Loomay 1+2

Date:	111
- 1	nov an, [armay 1+6]
m	nor by, [min]
	mp au, bn
	ge end
n	nov ax, [amay1+8].
11	nov bu, [min]
C	mp au, bu
0	ge end
e	nd: mov[min], ax
	mov bu, [min]
m	101 CM, ON4COO
	nt ou21
Q.	may 1: dw 5, 3, -8, 2, 5
m	in: dw 0