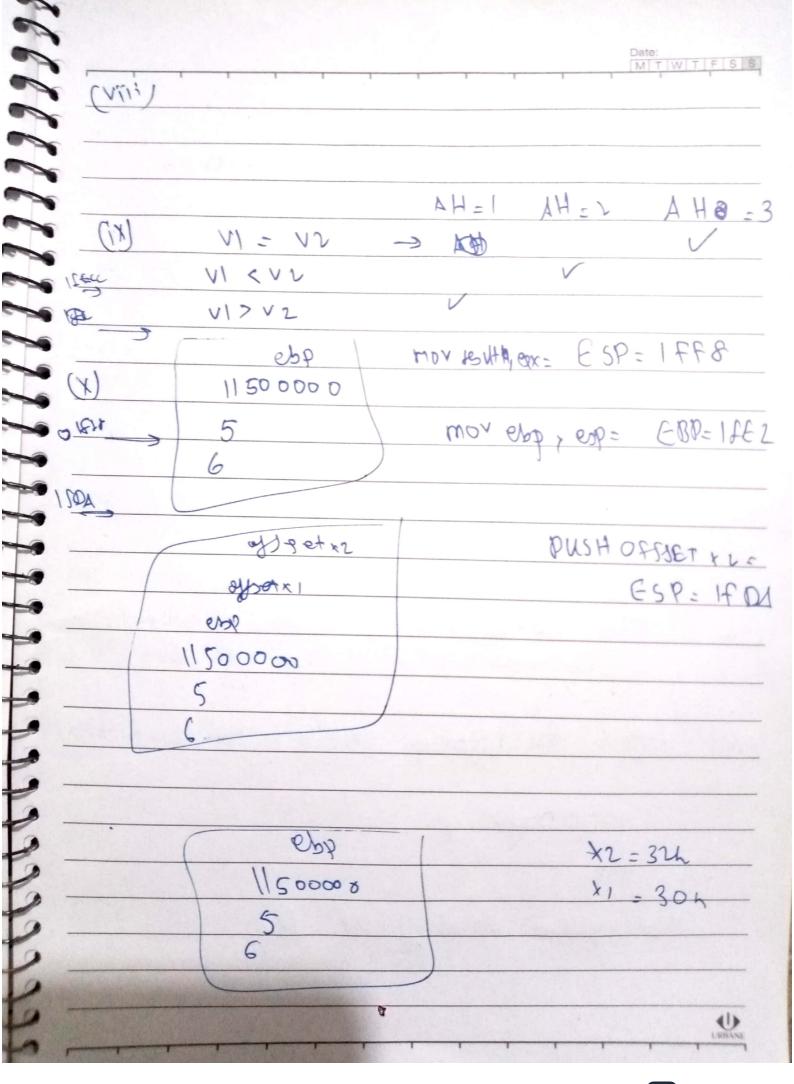
Date: Gianl Assignment 01 MON GEALD LEFTOON 13 (1) (XDD OGOHD DATE BOTX) (11)(a) 67 66 89 A4 EA 01 (4) 670 02 00 OF 85 OL 00 00 00 (0) 66 50 (b) Co 66 A1 OP 6609B0899 (0) (A) 665 50 66 2B OD OO OO OO 66 42 (9) (11) (a) AL = 85h (b) AL=34h (C) AL : OBFH H3 AL = DA EH (iv) in 1st instruction, exx will hadd address of 1911 in 2nd, eex will hold the value of vari 0

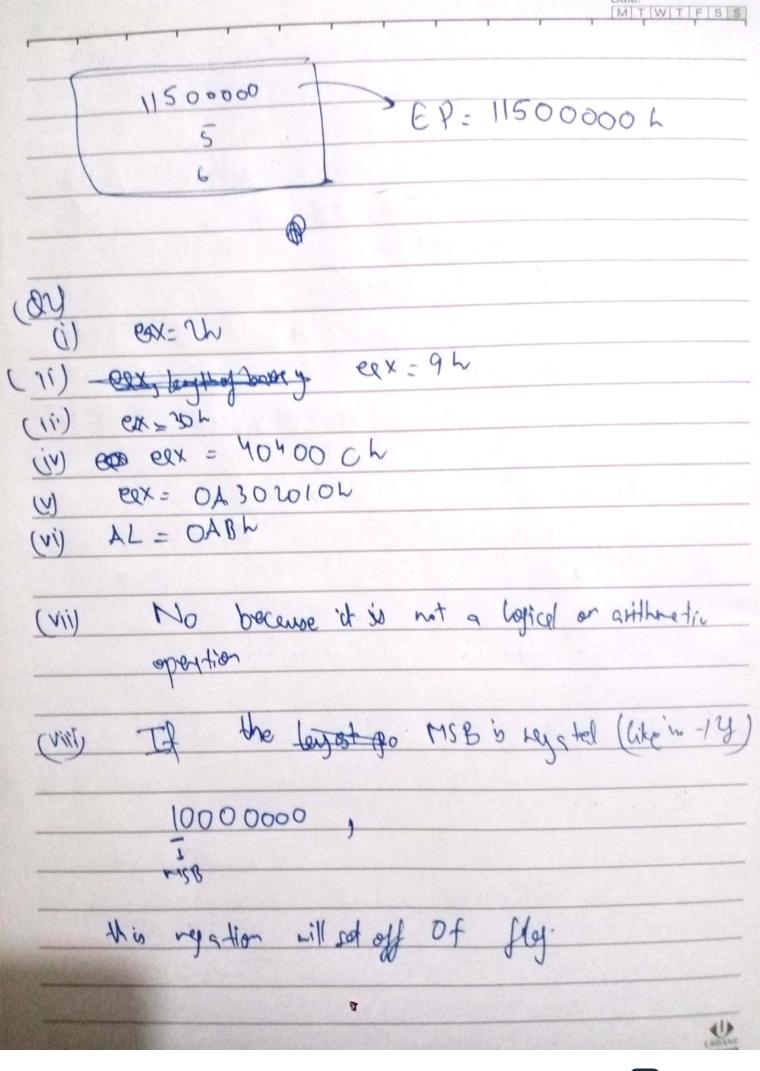
(v) (s) Pass parameter to procedures

(v) (s) Hore set war addresses of procedures during

(d) Preserve segister of manang values to me procedures

(m) of crete and store local variables (vi) EAX: 94 BCH EBX = 9ABCH ECX: SET& H ROESP = OFCH Mii) addientional: PUSH ESI PUSH ECX 10 mov exx,10 LI: all eax, [ei] 5nb esi, 4 dec eax Jn2 LI Popecx Pop esi let





Date: (ix) in valid as 32 bit value count be storal in on 8 bit wister (X) AL=38h BOOD EAX = 0000 6534 W 8 eld = 0003000L (KII) (Kind invalid as IN a operator reeds a size for en BATE PTR (xiv) remary cannot be moved to remary (4) egxo = 393f37364 (pvi) recovery camet be morel to menery L is 16 bit, esi is 32 bit, sines should match (x.vii) (XNUI) YX = ttt em

Date: BY (XIX) B B ALSGABL AL: EAW (0) (XKi) CF=0 COF=0 ST=1 Zf=0 AX=OFLEBL (1) 0 0=1 0f=0 5F=0 2f=0 CX=1660h (xxii) OF: 1 OF=0 GF=1 ZF=0 BY=OFFEL Xxiii" EAX = SSSS FEET (XX) (kni) AND Gax Offlets r T

Date: MTWTFS8 (XXI) CB STAFTER CMP, CF Zword & be O so J8 @ voul not execute. O The OF fly rough be I so I L would execute (Q3) ·data OPI Advoid d & 10 OP 2 Advon 0 80 15 OP3 odward 0. v X Luod **a** 5 V de orl 20 · code main PROC While: mov eer, apl 8c X BBA JGE end 5 MP while en: exit me op! mov ex, y mint ado MON X 1 OOX end mix add x, 2 ma eex. 003 cop expopt JE white

cb) deta Vall Shood 4 4/2 dood 2 vel 3 down 2 top ? dword MX · code main faco moverx, val one ex, val2 JLE else Crown Moverknath onpelx, val3 JLE else mov x , 10 Imperit else: on Mov X2 W exit: exit min outp

Date: MTWTFSS
(10) · lata
X du sul or
y dwal !!
2 dward ?
Minimum PROC WAREN Jebrae
Crp exyebx
TLE LI
x ch g eqx, eb
U:
Comp eax, ebx
TLE L2
X chy exx, ebx
4,100,
TLE & C3 X Chy elx, 88x
x chg elx, 88x
L3:
hiwnon endy
Minim ende

MINIMITIES IN (III) (a) COPYESE OPROC use es al; ecr tor oil allow topk! Lady + table, the root movecx, Leng Table! devon gara copy to ble only 800 3 mor elx, mun mov est, off sot table coll seach search PRO we sear esi err Li.
incali mor abpied mor appied compal, [esi +da] pushesp max 696 '86 FOODIS TI mov ex, [ebp +6] 52 LZ in edi mor eax, [ep+24] novel, Sautedy

	Date:	
(v) (a)		
BON PROC	him PROC	
h! chon, K! de onl	Fravoke Brooks, 5,2	
cmp k,0	alle	
JE som parease	cell read int	
nov eax, w	mor eas eex	
cny ecx, k	cell report int	
It balecese	10 THOSE	
dec 109 h	trov K, egx	
INVOKE BOBOKIN, K	INVOKE bouff, nk	
0E C k	a cell write dec	
IMPKE BCyl, n, k	exit	
kt		
BASECAJE:		
INC eax		
ret		
B Coff and p		
	main PROC	
(b) Power & NO X: dward, N: dward	Invoice pour, 5,2	
cmp h,0	all write dec	
JE base coop	exit	
decn	toi ent mein	
- HVOKe gower, x, h		
- INIX		
p ose cos:		
het a	URHAN	

francci Pro (1) fib proc, n: dward cup 4,0 JMP bue come DEC N INVOKE fibIn dec n Invoke fibin le+ pase crue: all eax, ~ fib onl p main PROC all read int mov ebx, exx pa mov exx, 0

Invoke \$ fib, 0 cell writedou enit main andp

99		
-		Date:
	(vi) excharge part was -deta to	may dward
-	main PROC	0
-	mor ex, lengthof array -1	movebx, type oney
•	Li:	cell dump man
	moveri,0	exit
-	nov elt, layth of array-1	mai in endp
1111111111	LV:	EHO min
-	cmp elx,0	6.1.4.1
-8	JE LS	
>	V	
3	mover, array [esi]	
-	add esi, Trpt erry	
-9	enp est, arrey (si)	
-	J B 13	
-	mov a pry (ei), ert	
•	500 BI, TYPF amy	
•	hov cray [si], est	
•	de c on alx	
9	add esi, type arry	
	JMP 12	
9	43:	
9	dec abx	
2	Jmp 12	
2	45.	
2	LOOP L1	
999999999999	mues is off set any	
2	move ear, by that amy	LIRBANE
-		CRRANE
100		

	Date:
	MTWTFSS
Wii) - deta devoul	
(Vii) - deta durond array botto 60, 4, 17,45,17 i du ond ?	
i de onl?	
	2001
· cale	nov si offset arroy
nover, legth of array	nov eex, certify arry
sub eck,	all dump nom
nov edijo	Oxi+
LI:	reirando
mov obxecx	
mor e in D	
nor ear, length of arm	
e sub ecx, ed i	
Ooveax, O	
LV:	
Snc L3 Movier resi mov al sarrey [ei]	
Inc L3	
movieriesi	
mov algarray [si]	
13:	
in ei	
40074	
more explx	
xlaxs a vam	
	U.SHINI

Part 3 (Qu) · deta seg mun woul? Percount byte O Status byte O Sensalta LORDO · cole min PROC nov see num, ex and saynung 0000 1111 1111 16 5hr eex,12 MON reso ker count possoonillo al and res count, 000 001116 too shr exis mov status , al and status, 0000 0001 b NEW SO SHR exx1 mor bens data , ax exi + rel a pulp ed reiz

(ii) · ko de man PROC mor eex, x mor cx18x shLax, y mov bx,cx Shl bx, 2 all ax, bx 5WL bx,1 add axibx add exicx 18 cell wite dec ominendp ((ii) done in all .->