			2	23k-20	-		
	COAL: Assignment #02 BCS-3T Date20						
	COLL	•					
1913			Q1:				
(C)(T)							
			a.				
7.7	EAX = 0000 000D	h, ECX = 00	00 00DDh , EDX = 0	0000 ABCDI	h, ES	P= 0000 OFFFh	
Table 348							
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. ADD AX,1	⇒ AX becom	nes '000Eh'	Stack:		•	
a logaliza	2. INC DH	=) DH become	nees 'ACh'	0	E		
	3. PUSH EAX			00	>		
to Go				00			
pargiti drugery mains	•			00	,	ESP=0000 OFFBh	
	4. PUSH ECX	=> Stack:	1 1000	115			
THE THE		OE	S. C				
		00					
		00					
		00					
The Lorentz of the Lo		PD					
CONTRACTOR OF THE PARTY OF THE		00					
Very News And Very News		00					
arthur.		00	ESP = 0000 OFF7h				
		38	Stack:	OE			
	5. CMP CH, O	⇒ CH = 00		00			
		* doesnot j		00			
77	7. PUSH ECX	A C	A CON Laws	00		V. S S. M 12	
				DD			
		00	n.				
nio.		00					
		in a Legamo	00				
			DD	1			
			00				
			00				
		ESP: 0000 C	00	W	QUALITY PAPER PRODUCTS		
	PRODUCTS						

						0ate20	
8. POP EBX	⇒ EBX	becomes	'0000 00DD	h?	· · · · · · · · · · · · · · · · · · ·		
	Stack:	0.00					
		DE	No. 1				781
		00		1,			RUIL
		0	. 31		. 15 a.s.		
and the state of t	0	0	· · · · · · · · · · · · · · · · · · ·		,		-
	D	D					185
	00				5	19 18	=
	00					2.547 Pal 1	
	00	1	SP= 0000 OF	57h			
Later A 9	V N						=
9. L1: NOT	DL à	DL be	comes '32h'	13	OE		650
10. PUSH EL				Stack:	00		
					. 00		NCTION .
					00		
(EDX = 00	000 AC3	2h)			DD		
,					00		
				1	00		
					00		
					32		tijksku
	1	177			AC		
į.		Ę., .		NUCE	. 00	3.	<i>a</i>
		E	SP: 0000 OFF3	h	. 00		
11. POP EAT	$X \Rightarrow E_I$		mes 0000		,	PAGE COX	
Stack:	0E			Final 1	lalves		
	00	7.4	EAX = 00	000 AC	32h		1
J. 1	00	61	EBX = 00	00 001	DDh		
	00	A.	ECX = 000				6/4
	DD	+45	EDX = 00				
	00					Ans.	
	00	170					3 3
	00	ESP.	=0000 OFF7h			Po QUALITY PAPER PRODUCTS	88

		7.3.	2	3K-2C	
		b .			Date20
	1. CALL CLYSCY	(Assumi	ng E	SP= 0000	OFFFh)
	EIP=0040 1		ETP	= 0040	1023
in it				05	
				10	
				40	
A TOPING				00	ESP=0000 OFFB
- Control	2. RET from Cl	yscr PROC			
	EIP = 0040	1028	EIP:	: 0040	1005
TOWNS	05	\rightarrow			
	10				,
Service:	40				
-	00				, , , , , , , , , , , , , , , , , , ,
	3. CAll ArraySu	าทา			
Na Typikary Na Typikary Na Typikary	EIP: 0040	1014	EIP:	: 0040	1029
ini kasali		\rightarrow		19	
Mary Mary	3.7			10	
11 11				40	
				00	ESP= 0000 OFFB
- Jackson	4. Instructions ins	ide ArraySum PROC 0 1029			
		0 1629		= 0040	102B
	19			19	
	10			10	
	40			10	
	60		(20	
		,		0	
			7		
			A	5	
			_00	2	
		K	0.	5	
an-			00	2	
			00		
	ESP=	0000 OFF3	00		P QUALITY PAPER PAPER PAPER
m					Photocis

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						•	
					1	Date20	78
5. RET	from A	may Sum	PROC			vo.,v50	7:12:1
E.	from F IP = 0040	103B			EIP = 0	040 1019	ELE
	19	1 555	→	×			
	10						TILLIE)
	40						
	00						
	00					7.16.4	
	71		1,003,3				
	A6		· · · · · · · · · · · · · · · · · · ·	4			
	00						
	05					1 4	
	00						- Anniholi
	00					contrap. And the state	
	00		:				P.P.
6. PUSH	4 0			<			
EIP	= 0040 1	1019		E	IP = 00	940 101E	
			\rightarrow		00		and the
	0.000 :>				00		10 B
	•				00	Buch Edward	
	W				00	ESP= 0000 OFFB	3
			F"			(3)	

		23k-2001
	Q2:	Date20
	a.	
	INCLUDE Invine32.inc	
	. data	
	Arr List byte "computer organization	and assembly language", O
	to Keplace byte!	
	miground byte "Here is the updo	ted array or string", o
	mog Nound byte "Here is the updo mog Nound bytes "Sorry, character	not found in array or string", o
ens james Salte salt Salte salt	. code	
- 1078	main PROC	mov edx, OFFSET Amlist
	mov edx, OFFSET Arrlist	call Writestring
parpet	call WriteString	cell CrlF
	call Crlf	imp done
7027	mov eax, O	Not Found:
	call Read Char	mov edx, OFFSET msgNfound
	mov to Replace, al	call Write String
	mov eex, SIZEOF Awlist	call Crlf
	mov esi, OFFSET Arrlist	done:
7 4 7	mov ebx, 0	exit
Mary Mary Mary Mary	compare:	main ENDP
	mov al, [esi]	END main
Agent des	cmp al, to Replace	
	ine Next Char	
	mov BYTE PTR [esi], @'	
	mov ebx. I	
	NextChar:	N.SP. (1)
	inc esi	
	Loop compare	
	cmp ebx, 0	
	je NotFound	
	mov edx, OFFSET msg Found	
	call WriteString	
	mov edx, OFFSET msgFound call WriteString call Crlf	P P QUALITY PAPER

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Date20
<i>b</i>
INCLUDE Irvine 32.inc
dota
my Array Dword 100 DUP(?)
j Dword?
· code
main PROC
begin:
mov eax, j
Cmp eax, U
jl Finish
in Einish
17 (11101)
mov esi, OFFSET my Array
mov ebx, j mov ecx, ebx
inc ecx
mov edx, [esi+ebx*4]
mov [esi+ecx * 4], edx
dec i
jmp begin
Finish:
exit
main ENDP
END main

Q3:

100

Date_____20___

		Q3:	Date_	20			
	a.						
8.0	MOV CL, 2	al = ?	pl = 3	cl = 02h	CF = 0		
- 1111	MOV AL, 8Ch	al=8Ch	PT = 3	cl = 02h	CF = 0		
	MOV BL, C8h	al=8Ch	6L= C8h	cl = 02h	CF = 0		
	SHL AL, CL	al=30h	bl = C8h	cl = 02h	CF = 0		
	SHR BL, CL	al = 30h	bl= 32h	cl = 02h	CF = 0		
	INC CL	al = 30h	bl = 32h	cl=03h	CF=0		
	SAR BL, CL	al = 30h	bl=06h	cl=03h	CF = 0		
1	ROL AL, CL	al=81h	b= 06h	cl = 03h	CF=1		
	CLC	al= 81h	bl=06h	cl=03h	CF = 0		
	DEC CL	al= 81h	bl = 06h	cl=02h	CF=0		
	RCL AL, CL	al=05h	bl= 06h	cl=02h	CF = 0		
	STC	al=05h	bl=06h	cl=02h	CF = 1		
	RCR BL, CL	al=05h	.bl = 41h	cl = 02h	CF = 1		
	SHRD AL, BL, 2	al = 50h	bl=41h	cl = 02h	CF=0		
SIN	SHLD BL, AL, 2	al=50h	bl = 05h	cl=02h	CF = 1		
			_				

<i>b</i> .	
Assume that time is sto	ored in DX)
INCLUDE Invine32.inc	
.data	AND ax, 111116
seconds WORD?	mov minutes, ax
minutes WORD?	mov ah, dh
hours WORD?	shr ah, 3
- code	mor hours, ax
main PROC	exit
mov dx, 010101010101016	main ENDP
mov al, dl	END main
AND al, 0001 11116	· ·
mou counds ax	
$mov \ ax, dx$	
shr ax, 5	W DE QUALITY
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