1. What is the value (in her EAX register? (1) 37E1144	kadecimal) of AL, AH, and AX given the following hexadecimal values in the (2) 8A29713D
(1) AH:	AL:
AX:	
(2) AH:	AL:
AX:	
2. Calculating the Size of a	Word Array
List WORD 1000h, 200	0h, 3000h, 4000h
ListSize =	
3. True (T) / False (F)	
.data	
cout BYTE 100	
Val WORD 2	
.code	
3.1 mov al, Val (T/F	
3.2 mov ax, count (T/	F)

4. Implement Arithmetic Express	ions: $R = -X + (Y - Z)$
.data	
R DWORD ?	
X DWORD 26	
Y DWORD 30	
Z DWORD 40	
.code	
mov	; copy X to a proper register
	; set it to a negative X
mov	; copy Y to a proper register
	; Calculate Y –Z
	; Calculate –X + (Y –Z)
	_; copy the result to R
5. Please use proper direct-offset	operands to implement a correct value in the comments
.data	
arrayW WORD 1000h, 2000	h, 3000h
arrayD DWORD 1, 2, 3, 4	
.code	
mov ax,	AX = 2000h
mov ax,	X = 3000h
mov ax,	; EAX = 00000003h

- 6. Write a program that does the following:
  - (1) Set the value of EAX to the hexadecimal value F00D.
  - (2) Add BEEF to EAX.

What is the value of EAX?

; AddTwo.asm - adds two 32-bit integers.

; Chapter 3 example

.386 .model flat, stdcall .stack 4096 ExitProcess proto,dwExitCode:dword

.code main proc

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invoke ExitProcess,0 main endp end main

7. Create two variables. One shoul in the EBX register.	d be a BYTE, the other a DWORD.	Sum the two and put the answer
.386 .model flat,stdcall .stack 4096 ExitProcess proto,dwExitCode:dwo	ord	
.data		
.code main proc		
invoke ExitProcess,0 main endp end main		