23K-0023 BAI-4A

Assignment 3 Date:
QUESTION I
include igvine 32 inc
data
- dividend dword OD4A4h
- divisor dward OAh.
rode
- main proc
- push divisor
- push dividerd
- call divide
exit
main endp
main ency
divide proc,
- dividend: dward
- divisor : dword
mov ax, dividend
call writchex
call creft

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Date:\_ emp eax, 5h ile done max edx, O dir -divisor auch - divisor push eax call divide divide ende QUESTION 2 irclude irvine 32 inc mil byte 4 Enter number to find. ", 0

Date:\_ find proto, val: dword, is dward, len: alword main proc moredx, offset my call writestring call readder invoke find, eax, O, size of an exit main endp find proc, val: duord, i: dword, Ien: dword mov esi, i emp esi, len il con

Date. mor edx, offet m3 call waterbring to ke jmp done con: mor ear, artesi] emp eax, val ine not-found mon edx, offset n2 call writestring call colf jmp done not found: add esi, type arr invoke find, val, esi, len Page #

Date:\_ Stack: Suppose user provide value Used esp after: or set find Unwed QUESTION 3 include irvine 32. inc · data dest byte "This is the source string" of m1 byte "Source: ", 0
m2 byte "Destination: ", 0
lent Dect byte 0 main proc mor edx, offset m1 call writestring mor edx, offset suc call covitestring call crif mor ex, length of src mas esi, O mon al, sic [esi] mor edi, Afset dest movzx ecx, length of Dest repre scasb je next mon [edi], al inc len Of Dest Page #

Date:\_ next: add esig type sxc man edx, offset m2 call writestring mov edx, offset dest call writestring . call crif main endp QUESTION 4 include irvine 32. inc -data still byte "Advanced Programming m byte "Vowel Count: ", O m1 byte "a ox A = 19,

Date: le e or m2 byte m4 byte m5 byte "co or U = cA byte O CE byte O co byte o byte 0 print proto, a: ptr byte, ent: byte main proc mon edx, offset m call writestring mor ecx, length of all styl mor esi, C

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Date:\_ Et: al stril [esi] cmp al, 101 emp al, 'u' imp next inc cA jong next e-case; jop next i-cose: jmp next

Date:\_ imp next inc cl add esi, type str I loop 11 invoke print, addr. ml, cA invoke print, addr m2, cE invoke print, addr m3, cold ct invoke print, addr m4, co invoke print, addr m5, cl exit main endp print proc, s: ptx byte

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Date:\_\_\_ call writestring call writedec print endp