



Student Name:Solution..... ID: Grade:

Form B:

Write a code to increment the odd elements in the array numbers and decrement the even elements on the same array:

Numbers db 1,2,3,4

Solution:

```
File Edit Search View Options Help
E:\...\IIIA\I\<<Assembly>>\[Labs]\Lab 3\Lab3_files\EX\EX2\ex2.asm
.model small
.386
.stack 100h
.data
numbers db 1,2,3,4
.code
main:
    mov ax,@data
    mov ds,ax

    inc [numbers]
    dec [numbers+1]
    inc [numbers+2]
    dec [numbers+3]

    mov ah,02h
    mov dl,[numbers]
    add dl,'0'           ;30h decimal to ascii
    int 21h

    mov dl,09h         ;tab
    int 21h

    mov dl,[numbers+1]
    add dl,'0'
    int 21h

    mov dl,09h
    int 21h

    mov dl,[numbers+2]
    add dl,'0'
    int 21h

    mov dl,09h
    int 21h

    mov dl,[numbers+3]
    add dl,'0'
    int 21h

    mov ah,4ch
    int 21h
end main
F1=Help | Line:1 Col:1
```

