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Assignment 4

**Section 4.2.8**

1. Inc val2
2. SUB eax, val3
3. SUB val2, val4
4. CF = 0, SF = 1
5. OF = 1, SF = 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mov ax, 7FF0h | CF | SF | ZF | OF |
| Add al, 10h | 1 | 0 | 1 | 0 |
| Add ah, 1 | 0 | 0 | 0 | 0 |
| Add ax, 2 | 0 | 1 | 0 | 0 |

**Section 4.3.8**

1. False
2. False
3. True
4. False
5. True

**Section 4.4.5**

1. True
2. A) 10h B) 40h C) 3Bh D) 3 E) 3 F) 2

**Section 4.10**



ExitProcess proto

.data

source BYTE "This is the source string",0

target BYTE SIZEOF source DUP('#')

.code

main proc

mov esi, SIZEOF source

mov ecx, SIZEOF target

mov edx, 0

MYLOOP:

mov al,[source + esi - 1]

mov [target + edx], al

dec esi

inc edx

loop MYLOOP

call ExitProcess

main endp

end