

SECTION	INSTRUCTION	OPERANDS	COMMENTS
01	EXERCICE 4b		
02	MOV	EAX, 14	
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07	EXERCICE 4a		
08	MOV	EAX, 1	; EAX : 01
09	MOV	EBX, 2	; EBX : 02
10	MOV	ECX, 3	; ECX : 03
11	MOV	EDX, 4	; EDX : 04
12	PRINT_UDEC	4, EAX	; 01
13	PRINT_UDEC	4, EBX	; 02
14	PRINT_UDEC	4, ECX	; 03
15	PRINT_UDEC	4, EDX	; 04
16			
17	EXERCICE 50		
18	MOV	EAX, 6	; EAX = 6
19	ADD	EAX, EAX	; ADD EAX TO EAX
20			
21			
22	EXERCICE 51		
23	MOV	EAX, 143	
24	MOV	EBX, 32	
25	DIV	EBX	; Divide EAX by EBX = 32
26	MOV	EAX, EDX	; Rest of Division in EDX. Move to EAX.
27			
28	EXERCICE 52		
29	MOV	EAX, 140	
30	ADD	EAX, 1	
31	MOV	EBX, 2	
32	DIV	EBX	
33	MOV	EAX, EDX	; Move $(EAX + 1) \% 2$ to EAX.
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SECTION

INSTRUCTION

OPERANDS

COMMENTS

EXERCICE 53

02 start:

03 MOV EAX, 0b101001111101110

05 MOV EBX, EAX
06 MOV ECX, EAX

; Copy EAX in EBX and ECX

08 MOV EDX, 0b1111000000000000
09 AND EBX, EDX
10 SHR EBX, 11; Place filter in EDX to select
; the first 5 bits of EAX and put them in EBX
; Shift the first 5 bits all the way to the right12 MOV EDX, 0b0000000000001111
13 AND ECX, EDX
14 SHL ECX, 11; Same as above but with the
; last 5 bits and shift them
; all the way to the left.16 MOV EDX, 0b000001111100000
17 AND EAX, EDX; Remove all bits except the middle
; 6 bits of EAX.19 OR EAX, EBX
20 OR EAX, ECX; Add the inverted bits back
; into EAX.