



SCHOOL SUBJECT

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BSCS-NS-2A

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Prelim Exam Assembly Language (Part 2b)

Instructions:

Make a program that will perform the following in the following sequence:

first: run the LED light to count from 1 to 8,

second: run the vertical traffic lights for 8 seconds,

third: run the horizontal traffic lights for 8 seconds,

fourth: turn on all red lights, and

Source Code		
;SALANATIN BSCS 2AB	mov ax, vertical ; 2.	
org 100h	out 4, ax	mov ax, 7 ; 5.
	mov cx, 7Ah	mov cx, 8
	mov dx, 1200h	
#start=led_display.exe#	mov ah, 86h	jmp here2:
#start=Traffic_Lights.exe#	int 15h	out 199, ax
		dec ax
org 100h	mov ax, horizontal ; 3.	loop jmp here2
mov ah, 9 ; 1.	out 4, ax	
lea dx, display_name	mov cx, 7Ah	mov ah, 4ch
int 21h	mov dx, 1200h	int 21h
	mov ah, 86h	
mov ax, 0	int 15h	ret
mov cx, 9		
	mov ax, red ; 4.	display_name db "Nathaly Pearl F."
jmp here1:	out 4, ax	; 7A1200h = 8 s
out 199, ax	mov cx, 7Ah	
inc ax	mov dx, 1200h	; ba98 7654 3210
loop jmp here1	mov ah, 86h	horizontal dw
	int 15h	0000_1000_0010_0000b



vertical dw
0000_0011_0000_1100b

red dw
0000_0010_0100_1001b

ret

