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;;;;;;;;;;;;;
;
;               Display
;           Include File
;               EE/CS 51
;
;
; This file contains the assembly language definitions for the display
; functions for homework 4.

numDigits      EQU      8d                ; number of LED digits
numSegs        EQU      8d                ; length of segment buffer
numSegsBytes   EQU      16d               ; length of segment buffer

maxDispLength  EQU      8                ; maximum display length

; Specific Digit/LED Definitions

LED_BLANK      EQU      00000000B         ; a blank LED
IO_LED_LOC     EQU      0FFA4H            ; I/O location of the LED display
IO_LED_VAL     EQU      0                ; value to write to LED display for correct CS

HIGH_BYTE_ADDRESS EQU 0008H              ; I/O location for high byte for 14-seg display

; ASCII constants

ASCII_NULL     EQU      0000H            ; value of null character
ASCII_BLANK    EQU      ' '              ;
DISPLAY_NULL   EQU      0000H            ; displaying null character
```