

INT 12h String Services

Catalog

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; INT 12h - STRING SERVICES
; A library of string functions intended to support programming in assembly,
; or to be used by a higher level language implemented in assembly.
; February 7th, 2026, 10:20AM -- passed all 85 tests on the SD-8516
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; Function dispatch via AH register:
; AH=00h: strlen - Get string length
; AH=01h: strcpy - Copy string
; AH=02h: strcmp - Compare strings
; AH=03h: strcat - Concatenate strings
; AH=04h: atoi - ASCII to integer
; AH=05h: itoa - Integer to ASCII
; AH=06h:strupr - Convert to uppercase
; AH=07h: strlwr - Convert to lowercase
; AH=08h: strchr - Find character in string
; AH=09h: strncpy - Copy n characters
; AH=0Ah: strncmp - Compare n characters
; AH=0Bh: strcmpi - Compare strings (case-insensitive)
; AH=0Ch: conv_ch_to_uc - Convert single char to uppercase
; AH=0Dh: conv_ch_to_lc - Convert single char to lowercase
; AH=0Eh: test_uc_lc - Test if char is uppercase
; AH=0Fh: isnum - Test if char is digit (0-9)
; AH=10h: isalpha - Test if char is letter (A-Z, a-z)
; AH=11h: puthex - Print byte in AL as hex
; AH=12h: putbase - Print number in B in base CL
; AH=13h: print_fld_hex
; AH=14h: beginswith (Test if string starts with prefix)
; AH=15h: endswith (Test if string ends with suffix)
; AH=16h: strstr (Find substring in string)
; AH=20h: htoi (hex ascii to int)
; AH=21h: itoh (int to hex ascii)
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