

;Write a program that takes a string and count the number of words in the string. Display the count in decimal format

TITLE SUM FROM 1 TO N

.MODEL SMALL

.DATA

STRLEN DB 80

STRSZ DB ?

STR DB 81 DUP('\$')

.STACK

.CODE

MAIN PROC FAR

MOV AX, @DATA

MOV DS, AX

;; GETTING THE NUMBER

LEA DX, STRLEN

MOV AH, 0AH

INT 21H

;; CALCULATING THE NUM OF WORD

MOV AX, 01

MOV CH, 00

MOV CL, STRSZ

LEA BX, STR

L2: CMP BYTE PTR[BX], ' '

JNE EX

INC AX

EX: INC BX

LOOP L2

;; CONVERTING TO DECIMAL

MOV CX, 00

MOV BX, 10

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L3: MOV DX, 00
INC CX
DIV BX
CMP AX, 00
PUSH DX
JG L3
;; PRINTING IN DECIMAL
;; NEW LINE CHARACTER
MOV AH, 02H
MOV DL, 0AH
INT 21H

DIS: POP DX
OR DX, 30H
MOV AH, 02H
INT 21H
LOOP DIS

;; ENDING PROGRAM
MOV AH, 4CH
INT 21H

MAIN ENDP
END MAIN
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