

string comparing

03/11/2020

Page No. linkDate mon

Strcom

(7)

• model small

display macro msg

lea dx, msg

mov ah, 09h

int 21h

endm

• Data

msg1 db 0dh, 0ah, "enter first string: \$"

msg2 db 0dh, 0ah, "enter second string: \$"

msg3 db 0dh, 0ah, "length of first string: \$"

msg4 db 0dh, 0ah, "length of second string: \$"

msg5 db 0dh, 0ah, "strings are equal-- \$"

msg6 db 0dh, 0ah, "strings are not equal-- \$"

string1 db 80h dup(?)

string2 db 80h dup(?)

• code

start: mov ax, @data

mov ds, ax

display msg1

mov si, offset string1

call readstr

mov bl, cl

display msg2

mov si, offset string2

call readstr

push bx

push cx

display msg3

mov AL, BL

call len-dis

display msg4

mov AL, CL

call len-dis

pop CX

pop BX

cmp CL, BL

JNE fail

mov SI, offset string1

mov DI, offset string2

cld

CHK: mov AL, [SI]

mov AL, [DI]

JNE FAIL

INC SI

INC DI

DEC CL

JNZ CHK

display msg5

jmp final

len-dis proc near

xor AH, AH

add AL, 0CH

AAM

add AX, 3030H

mov BH, AL

```

mov dl, Bb
mov AH, 02H
int 21H
Ret

len_dis endp

readstr proc_near
xor cl, cl

Back: mov AL, 01H
    int 21H

    cmp AL, 0DH
    JE finish

    mov [si], AL
    inc si
    inc cl
    jmp Back

finish: mov [si], byte ptr $
    ret

readstr endp

fail: display msg
fend: mov AH, 4ch
    int 21h

end start
    
```


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LINK : warning L4821: no stack segment

C:\MASM\MASM STRCOM::

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51618 + 464926 Bytes symbol space free

0 Warning Errors

0 Severe Errors

C:\MASM>STRCOM

enter first string:SHWETA

enter second string:ABHISHEK

length of first string:06

length of second string:08

—strings are not equal—

C:\MASM>EDI

Shortcut

Lab-6
H.M..asm

• model small

• code

mov AH, 2CH

Int 21H

mov AL, CH

AAM

mov BX, AX

call DISP

mov DL, '?'

mov AH, 02H

Int 21H

mov AL, CL

AAM

~~mov BX, AX~~

~~call disp~~

~~mov dl, '?'~~

~~mov AH, 02H~~

~~Int 21H~~

mov al, dh

add

mov bl, ax

call disp

mov ah, 4ch

int 21h

disp proc near

add dl, 30h

mov ah, 02h

int 21h

mov dl, bl

add dl, bl

add dl, 30h

mov ah, 02h

int 21h

ret

disp endp

end

C:\MASM>HM

C:\MASM>HM

C:\MASM>EDIT HM.ASM

C:\MASM>LINK HM;:

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LINK : warning L4021: no stack segment

C:\MASM>MASM HM;:

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0 Warning Errors

0 Severe Errors

C:\MASM>HM

T0 P5 P11a1Z_