

.MODEL SMALL

DISPLAY MACRO MSG
 LEA DX,MSG
 MOV AH,09H
 INT 21H

ENDM

.DATA

MSG1 DB 0DH, 0AH, "ENTER THE FIRST STRING\$"
MSG2 DB 0DH, 0AH, "ENTER THE SECOND STRING\$"
MSG3 DB 0DH, 0AH, "LENGTH OF THE FIRST STRING:\$"
MSG4 DB 0DH, 0AH, "LENGTH OF THE SECOND STRING\$"
MSG5 DB 0DH, 0AH, "----STRING ARE EQUAL----- :\$"
MSG6 DB 0DH, 0AH, "----STRING 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
POP CX
POP BX
CMP CL,BL
JNE FAIL
MOV SI,OFFSET STRING1
MOV DI,OFFSET STRING2
CLD
```

```
CHK:  MOV AL,[SI]
      CMP AL,[DI]
```

```
LEN_DISP ENDP
READSTR PROC NEAR
    XOR CL,CL
```

```
BACK: MOV AH,01H
      INT 21H
      CMP AL,0DH
      JE FINISH
      MOV [SI],AL
      INC SI
      INC CL
```

```
FINISH: MOV [SI].BYTE PTR '$'
        RET
```

```
READSTR ENDP
```

```
FAIL: DISPLAY MSG6
FINAL: MOV AH,4CH
      INT 21H
END START
```


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51598 + 464946 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\MASM>LINK CMPSTRINGS;;

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LINK : warning L4021: no stack segment

C:\MASM>CMPSTRINGS

ENTER THE FIRST STRING GUN

ENTER THE SECOND STRING GUN

LENGTH OF THE FIRST STRING:04

----STRING ARE EQUAL----- :

C:\MASM>_