

Equal strings & length

Model small

Data

str1 DB 10H DUP(0)

str2 DB 10H DUP(0)

len1 DB 0DH

len2 DB 0DH

msg1 DB 0DH, 0AH, "Enter first string: \$"

msg2 DB 0DH, 0AH, "Enter second string: \$"

msg3 DB 0DH, 0AH, "Strings are equal \$"

msg4 DB 0DH, 0AH, "Strings are not equal \$"

msg5 DB 0DH, 0AH, "Length of first string is \$"

msg6 DB 0DH, 0AH, "Length of second string is \$"

msg7 DB 0DH, 0AH, "Length of string is \$"

Code

MOV AX, @DATA

MOV DS, AX

LEA DI, MSG1

MOV AH, 09H

INT 21H

MOV SI, 08

BACK1:

MOV AH, 01H

INT 21H

CMP AL, 0DH

JE NEXT1

MOV STR[SI], AL

INC SI

INC Len1

JMP BACK1

Next 1:

LEA DX, MSG2

MOV AH, 09H

INT 21H

MOV SI, 00

Back 2:

MOV AH, 01H

INT 21H

CMP AL, 0DH

JE NEXT2

MOV STR2[SI], AL

INC SI

INC Len2

JMP BACK2

Next 2:

MOV AL, Len1

CMP AL, Len2

JNE NOTEQUAL

MOV SI, 00

MOV DI, 08

MOV CL, Len1

Back 3:

MOV AL, STR1[SI]

CMP AL, STR2[DI]

JNE NOTEQUAL

INC SI

INC DI

DEC CL

JNE BACK3

Lea DX, MSG3

mov AH, 09H

Int 21H

mov DL, len1

add DL, 30H

mov AH, 02H

Int 21H

jmp LAST

NOTBOUAC:

Lea DX, MSG4

mov AH, 09H

Int 21H

Lea DX, MSG5

mov AH, 09H

Int 21H

~~Lea DX, MSG6~~

mov DL, len1

~~mov AH, 09H~~

add DL, 30H

~~Int 21H~~

mov AH, 02H

Int 21H

Lea DX, MSG6

mov AH, 09H

Int 21H

mov DL, len2

add DL, 30H

mov AH, 02H

Int 21H

Last:

mov AH, 4CH

Int 21H

End