

Program to compare strings

- model small

Display main 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:
\$"

msg
j

msg3 DB, 0DH, 0AH, "length of first string:
\$4"

msg4 DB, 0DH, 0AH, "length of second
string:
\$4"

msg5 DB, 0DH, 0AH, "Strings are Equal
:\$4"

msg6 DB, 0DH, 0AH, "Strings are not
Equal"

String 1	DB	\$0t	DUP(\$)
String 2	DB	\$0t	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
    
```

Chances

MOV BX, CCH
cmp AL, CH
JNE fail
MOV BH
JNC D1
Dec CL
Display msg.
Imp final

Len Dis Pro Near
XOR AL, AL
add AL, 0AH
ADD AL, 2030H
MOV BH, AL
MOV DL, AH
MOV AH, 02H
int 21H

Ret

Len Dis EndP

ReadStr PROG Near
XOR CL, CL

Push i
MOV AH, 01H
Int 21H
cmp AL, 0DH
JE finish
MOV DS, AX
INC SI
ZNC CL
Imp back

Date _____ / _____ / _____

finish: mov [SI], Byte ptr [\$]
 Ret

Readstr endp

Fail: display msg 6
final: mov Ah, 4ch
 INT 21h

End Start -

OUTPUT

Enter first string : hello

Enter second string : hello

length of first String : 05

length of Second String : 05

-- String Are Equal --

to read System time

- model
- code

mov Ah, 2ch
int 21h

to read system
time

mov al, ch
AAM

H = ch

M = cl

S = DH

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, cl
AAM
MOV BX, AX
call disp
MOV DL, :
MOV Ah, 02h
int 21h

Date / /

MOV AL, DH
 ADD
 MOV BX, AX
 call Disp

Mov Ah, 4ch
 int 21h

Disp free near
 MOV DL, BH
 MOVI AH, 02h
 int 21h

Disp free near
 MOV DL, BH
 Add DL, 30h
 MOV AH, 02h
 int 21h
 MOV DL, BL
 Add DL, 30h
 MOV AH, 02h
 int 21h
 Ret
 disp endp

Date ____ / ____ / ____

Saathi

OUTPUT

15: 33: 37737