

To check if 2 strings are equal or not

model small

.data

str1 db 10 dup(0)

str2 db 10 dup(0)

len1 db 00

len2 db 00

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 16h

mov (str1+cs:di), al

inc di

inc len1

jmp back1

next 2: mov al, len1

cmp al, len2

jne not equal

mov si, 00

mov di, 00

```
mov cl, len1  
back3: mov al, str1(si)  
       cmp al, str2(di)  
       jne notequal  
       inc si  
       inc di  
       dec cl  
       jnz back3
```

```
lea dx, msg3  
mov ah, 09h  
int 21h
```

```
lea dx, msg2  
mov ah, 09h  
int 21h
```

```
mov dl, len1  
add de, 30h  
mov ah, 02h  
int 21h  
jmp last
```

```
notequal1: lea dx, msg4  
            mov ah, 09h  
            int 21h  
            lea dx, msg5  
            mov ah, 09h  
            int 21h
```

```
lea dx, msg5  
mov ah, 09h  
int 21h
```

```
mov dl, len1  
add dl, 30h  
mov ah, 02h  
int 21h
```

```
lea dx, msg1  
mov ah, 09h  
int 21h
```

```
mov dl, len2  
add dl, 30h  
mov ah, 02h  
int 21h
```

```
last: mov ah, 4ch  
int 21h  
end
```