MP - lab 8

```
        .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 1st string $"
msg4 db 0dh, 0ah, "length of 2nd 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
        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]
        jne fail
        inc si
        inc di
        dec cl
        jnz chk
        display msg 5
        jmp final
len_dis proc near
        xor ah, ah
        add al, 00h
        aam
        add ax, 3030h
        mov bh, al
        mov dl, ah
        mov ah, 02h
        int 21h
        mov dl, bh
        mov ah, 02h
    ret
     len_dis endp
     readstr proc near
        xor cl, cl
```

```
back: mov ah, 01h
       int 21h
       cmp al, 0dh
       je finish
       mov [si], al
       inc si
       inc ci
       jmp back
finish: mov [si], byte ptr '$'
       ret
    readstr   endp
fail: display msg 6
final : mov ah, 4ch
       int 21h
       end
```

——————— ✕ ———————