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MP LAB- 01 BATCH

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• 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 di, ax

lea dx, msg1

mov ah, 09h

int 21h

mov si, 00h

Back 1: mov ah, 01h

int 21h

cmp al, 0dh

je next1

```
mov str1[si], al
inc si
inc len1
jmp back1
```

```
next1: lea dx, msg2
mov ah, 09h
int 21h
mov si, 00h
```

```
Back2: mov ah, 01h
int 21h
cmp al, 0dh
je next2
mov str1[si], al
inc si
inc len2
jmp back2
```

```
next2: mov al, len1
cmp al, len2
jne notequal
mov si, 00h
mov di, 00h
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, msg7
mov al, 09h
int 21h

mov dl, len1
add dl, 30h
mov ah, 02h
int 21h
jmp laut

not equal: lea dx, msg4
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, msg6
mov ah, 09h
int 21h
mov dl, len2
add dl, 30h
mov ah, 02h

int 21h
laut: mov ah, 4ch
int 21h
end.