课后作业

问题 7.9 编程,将 datasg 段中每个单词的前四个字母改为大写字母:

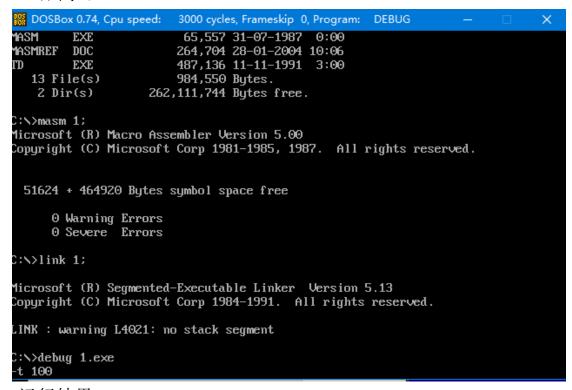
```
代码:
assume cs:codesg,ds:datasg,ss:stacksg
stacksg segment
  dw 0,0,0,0,0,0,0,0
stacksg ends
datasg segment
  db '1. display.....'
  db '2. brows......'
  db '3. replace.....'
  db '4. modify......'
datasg ends
codesg segment
  start: mov ax, stacksg
        mov ss,ax
                         ;设置栈顶 ss:sp 为 stacksg:10h
        mov sp,10h
        mov ax,datasg
        mov ds,ax
                         ;数据段地址为 datasg
        mov bx,0
        mov cx,4
                         ;外层循环的 ex 值保存到栈
  s0:
        push cx
        mov si,0
                         ;设置内层循环次数
        mov cx,4
        mov al, [bx+si+3]
  s:
        and al,11011111b
        mov [bx+si+3],al ;字母变大写
        inc si
                         ;结束内层循环
         loop s
         add bx,16
```

pop cx ;出栈外层循环的次数 loop s0

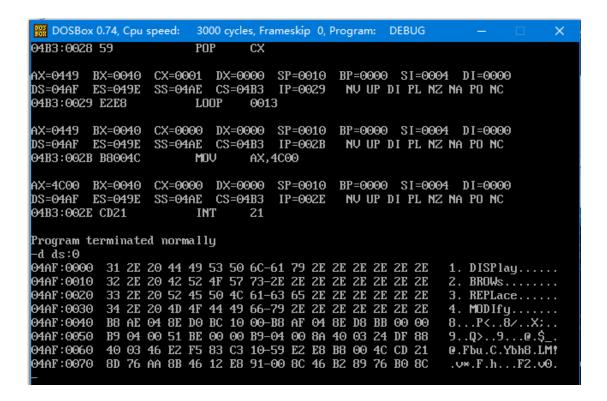
mov ax,4c00H int 21H

codesg ends
end start ;代码段结束

运行代码



运行结果:



对比之前的结果:

db '1. display.....'

db '2. brows......'

db '3. replace.....'

db '4. modify......'

发现成功达到目的。