2、

```
datasg segment para 'data'
mess1 db 'stock number?', 13, 10, '$';
;
stoknin label byte
db 3                                                              ; 1)
act db 0                                                ; 2)
stokn db 5 dup(?)                          ; 3)
;
stoktab db '05', 'Excavtors   '
                db '08', 'Lifters     '
                db '09', 'Presses    '
                db '12', 'Vavles     '
                db '23', 'Processors  '
                db '27', 'Pumps      '
;
descrn db 14 dup(20h), 13, 10, '$'
mess db 'Not in table!', '$'
datasg ends
;******************************************
codesg segment para 'code'
        assume cs: codesg, ds: datasg, es: datasg
;-------------------------------------------------
main proc far
        push ds
        sub ax, ax
        push ax

        mov ax, datasg
        mov ds, ax
        mov es, ax                                        ; 4)
start:
        lea dx, mess1
        mov ah, 09
        int 21h
        lea dx, stoknin
        mov ah, 0ah
        int 21h
        cmp act, 0
        jle exit                                          ; 5)
        mov al, stokn
        mov ah, stokn+1
        mov cx, 06
        lea si, stoktab
```

```
a20:
            cmp ax, word ptr [si]
            jz a30                                    ; 6)
            add si, 14
            loop a20                                  ; 7)
            lea dx, mess
            mov ah, 09
            int 21h
            jmp exit
a30:
            lea di, descrn                            ; 8)
            mov cx, 14                                ; 9)
            rep movsb                                 ; 10)
;
            lea dx, descrn
            mov ah, 09
            int 21h
            jmp start
exit:
            ret
main endp
;-----------------------------------------------
codesg ends
;*****************************************
            end main
```