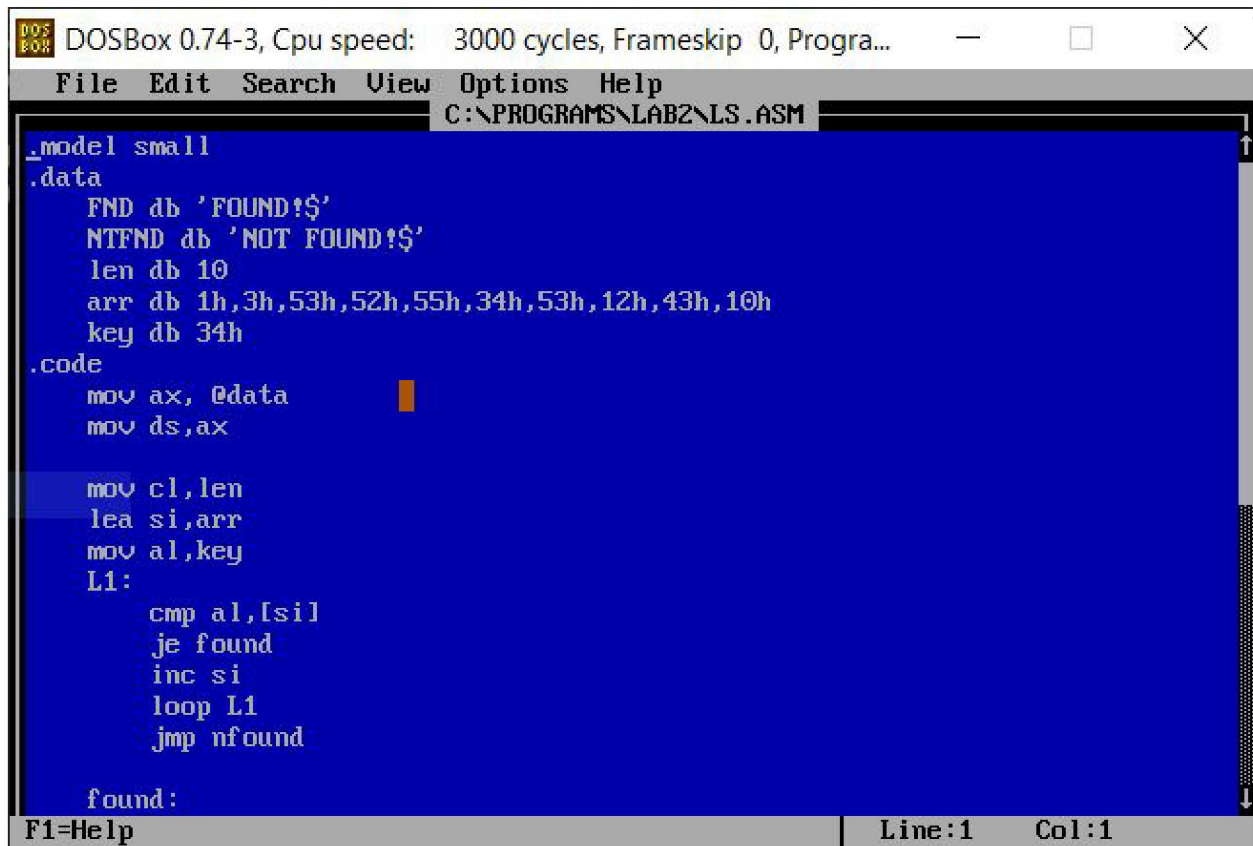


## 1. LINEAR SEARCH



The screenshot shows a DOSBox window titled "DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Progra...". The window has a menu bar with "File", "Edit", "Search", "View", "Options", and "Help". The title bar also shows the file path "C:\PROGRAMS\LAB2\LS.ASM". The main window displays assembly code for a linear search program. The code is as follows:

```
.model small
.data
    FND db 'FOUND!$'
    NTFND db 'NOT FOUND!$'
    len db 10
    arr db 1h,3h,53h,52h,55h,34h,53h,12h,43h,10h
    key db 34h
.code
    mov ax, @data
    mov ds,ax

    mov cl,len
    lea si,arr
    mov al,key
L1:
    cmp al,[si]
    je found
    inc si
    loop L1
    jmp nfound

found:
```

The status bar at the bottom shows "F1=Help" on the left, "Line:1" in the middle, and "Col:1" on the right.

Hello world