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SAP ID: 65731

SUBJECT: COAL

LAB6-TASK1:

```
C:\L6_11_65.ASM
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx,10
mov dx,48
l1:
mov ah,2
int 21h
add dx,1
loop l1
mov ah,4ch
int 21h
main endp
end main
```

Commands for manipulating files

```
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.

Object filename [L6_T1_65731.OBJ]:
Source listing  [NUL.LST]:
Cross-reference [NUL.CRF]:

  51680 + 464864 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>edit L6_T1_65731.asm

C:\>link L6_T1_65731.obj

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Run File [L6_T1_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T1_65731.exe
0123456789
C:\>
```

LAB6-TASK2:

C:\L6_T2_65.ASM

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx,10
mov dx,57
l1:
mov ah,2
int 21h
sub dx,1
loop l1
mov ah,4ch
int 21h
main endp
end main
```

Commands for manipulating files

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Object filename [L6_T2_65731.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:

  51680 + 464864 Bytes symbol space free

      0 Warning Errors
      0 Severe Errors

C:\>edit L6_T2_65731.asm

C:\>link L6_T2_65731.obj

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Run File [L6_T2_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T2_65731.exe
9876543210
C:\>_

LAB6-TASK3:

```
File  Edit  Search  View  Options  Help
                    C:\L6_T3_65.ASM
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx,26
mov dx,65
l1:
mov ah,2
int 21h
add dx,1
loop l1
mov ah,4ch
int 21h
main endp
end main
```

Commands for manipulating files

```
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Object filename [L6_T3_65731.OBJ]:
Source listing  [NUL.LST]:
Cross-reference [NUL.CRF]:

   51680 + 464864 Bytes symbol space free

        0 Warning Errors
        0 Severe  Errors

C:\>link L6_T3_65731.obj

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Run File [L6_T3_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T3_65731.exe
ABCDEFGHIJKLMNOPQRSTUVWXYZ
C:\>edit L6_T3_65731.asm

C:\>
```
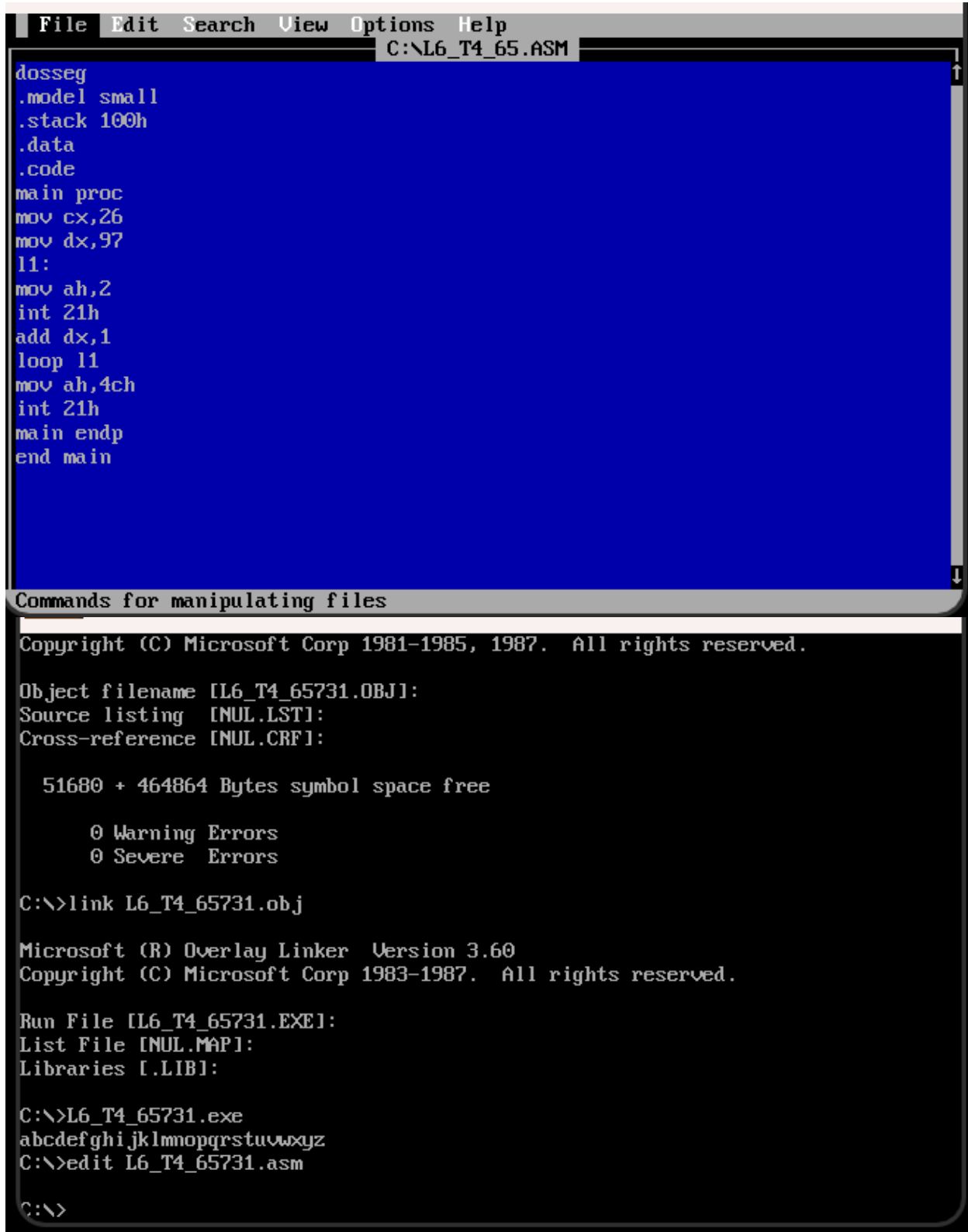
LAB6-TASK4:

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx,26
mov dx,97
l1:
mov ah,2
int 21h
add dx,1
loop l1
mov ah,4ch
int 21h
main endp
end main
```

Commands for manipulating files

Object filename [L6_T4_65731.OBJ]:
Source listing [NUL.LST]:
Cross-reference [NUL.CRF]:

   51680 + 464864 Bytes symbol space free

        0 Warning Errors
        0 Severe Errors
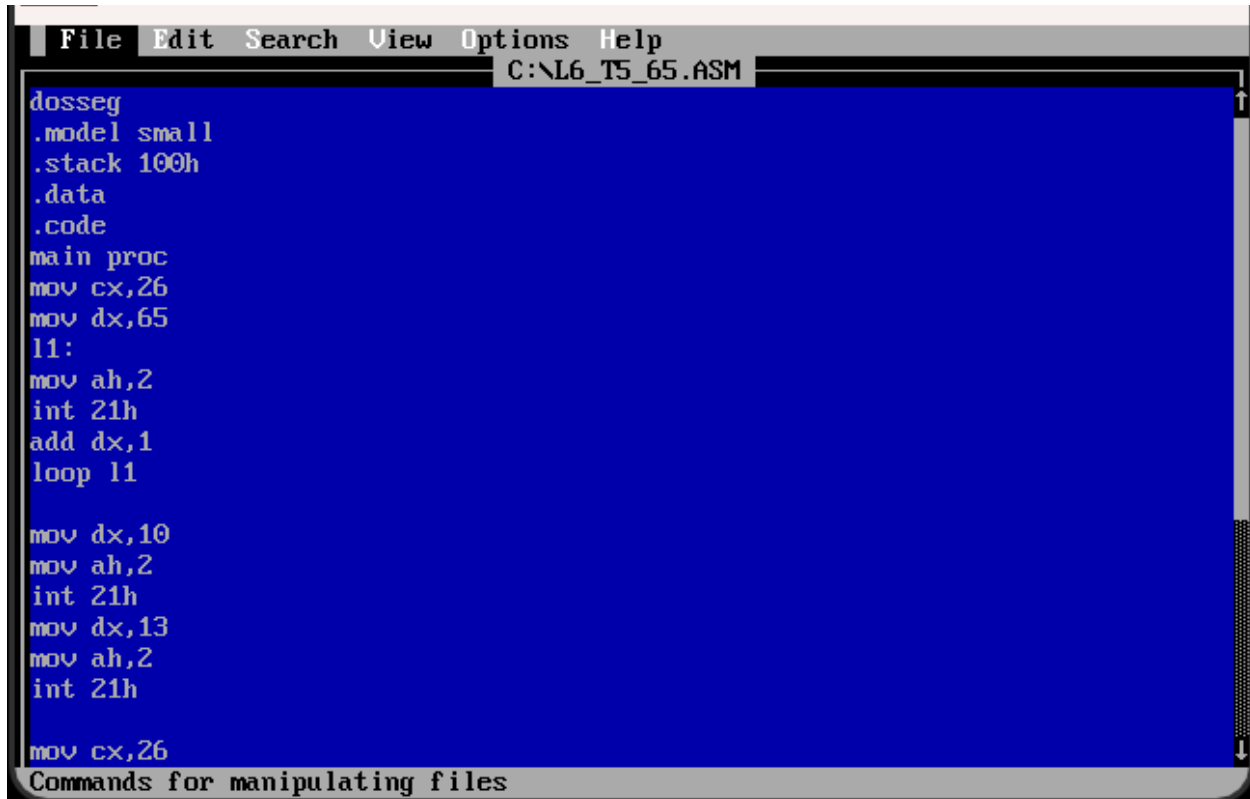
C:\>link L6_T4_65731.obj

Microsoft (R) Overlay Linker Version 3.60

Run File [L6_T4_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T4_65731.exe
abcdefghijklmnopqrstuvwxyz
C:\>edit L6_T4_65731.asm

C:\>

LAB6-TASK5:
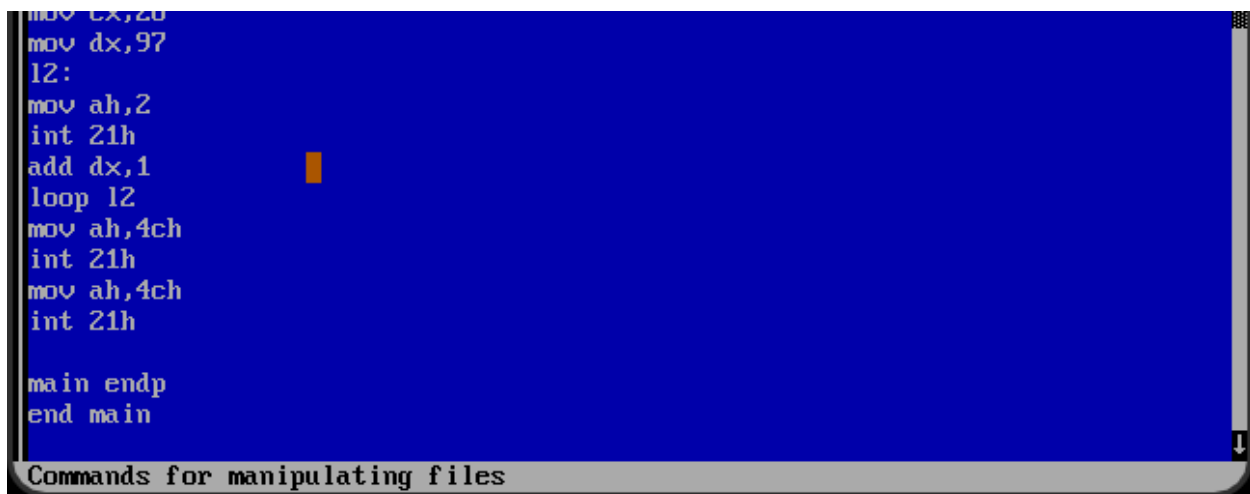
C:\L6_T5_65.ASM

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx,26
mov dx,65
l1:
mov ah,2
int 21h
add dx,1
loop l1

mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h

mov cx,26
```

Commands for manipulating files

```
mov cx,26
mov dx,97
l2:
mov ah,2
int 21h
add dx,1
loop l2
mov ah,4ch
int 21h
mov ah,4ch
int 21h

main endp
end main
```

Commands for manipulating files

```
Object filename [L6_T5_65731.OBJ]:
Source listing  [NUL.LST]:
Cross-reference [NUL.CRF]:

   51680 + 464864 Bytes symbol space free


      0 Warning Errors
      0 Severe  Errors

C:\>link L6_T5_65731.obj

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Run File [L6_T5_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T5_65731.exe
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
C:\>edit L6_T5_65731.asm

C:\>
```
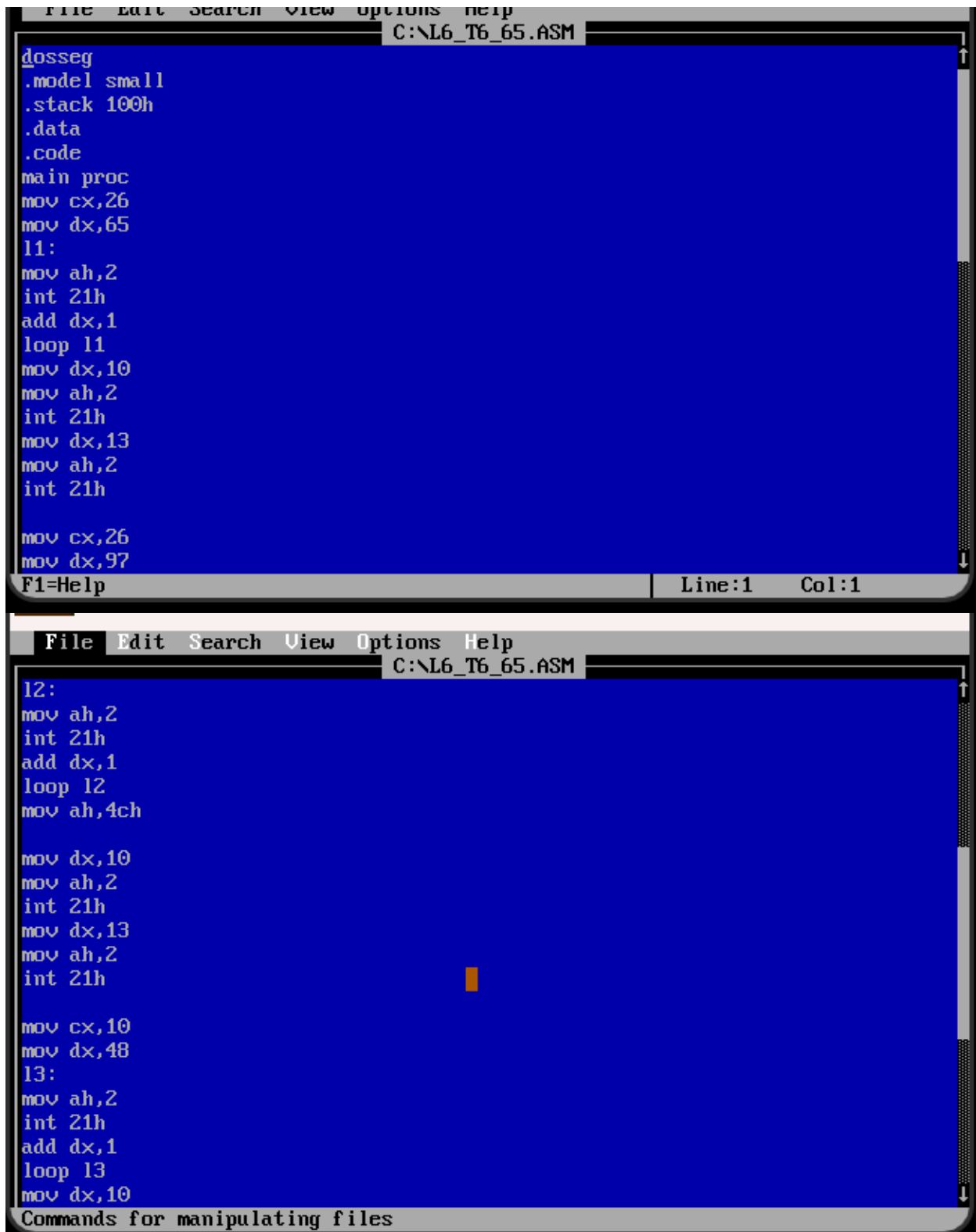
LAB6-TASK6:

```
C:\L6_T6_65.ASM
dosseg
.model small
.stack 100h
.data
.code
main proc
mov cx,26
mov dx,65
l1:
mov ah,2
int 21h
add dx,1
loop l1
mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h

mov cx,26
mov dx,97
```

F1=Help   Line:1   Col:1

```
C:\L6_T6_65.ASM
l2:
mov ah,2
int 21h
add dx,1
loop l2
mov ah,4ch

mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h

mov cx,10
mov dx,48
l3:
mov ah,2
int 21h
add dx,1
loop l3
mov dx,10
```

Commands for manipulating files

C:\L6_T6_65.ASM

```
loop 13
mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h

mov cx,10
mov dx,57
l4:
mov ah,2
int 21h
sub dx,1
loop l4
mov ah,4ch
int 21h
mov ah,4ch
int 21h
main endp
end main
```

Commands for manipulating files

```
Source listing  [NUL.LST]:
Cross-reference [NUL.CRF]:

  51680 + 464864 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>link L6_T6_65731.obj

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Run File [L6_T6_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T6_65731.exe
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789
9876543210
C:\>edit L6_T6_65731.asm

C:\>
```
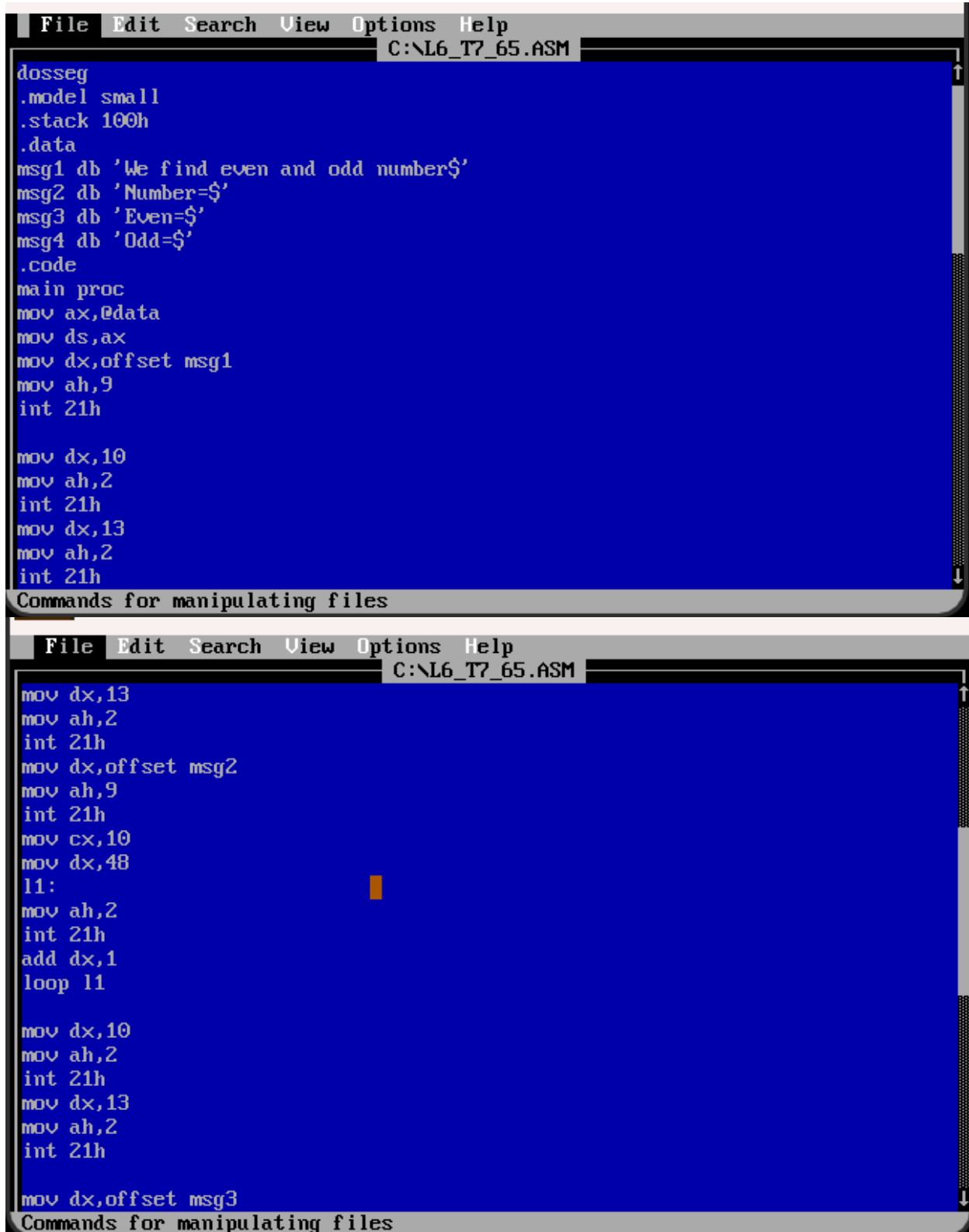
LAB6-TASK7:

C:\L6_T7_65.ASM

```
dosseg
.model small
.stack 100h
.data
msg1 db 'We find even and odd number$'
msg2 db 'Number=$'
msg3 db 'Even=$'
msg4 db 'Odd=$'
.code
main proc
mov ax,@data
mov ds,ax
mov dx,offset msg1
mov ah,9
int 21h

mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h
```

Commands for manipulating files

C:\L6_T7_65.ASM

```
mov dx,13
mov ah,2
int 21h
mov dx,offset msg2
mov ah,9
int 21h
mov cx,10
mov dx,48
l1:
mov ah,2
int 21h
add dx,1
loop l1

mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h

mov dx,offset msg3
```

Commands for manipulating files

C:\L6_T7_65.ASM

```
mov ah,9
int 21h

mov cx,5
mov dx,48
l2:
mov ah,2
int 21h
add dx,2
loop l2
mov ah,4ch

mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h

mov dx,offset msg4
mov ah,9
int 21h
```

Commands for manipulating files

```
mov cx,5
mov dx,49
l3:
mov ah,2
int 21h
add dx,2
loop l3
mov ah,4ch
int 21h
main endp
end main
```

Commands for manipulating files

```
Source listing  [NUL.LST]:
Cross-reference [NUL.CRF]:

  51640 + 464904 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>link L6_T7_65731.obj

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Run File [L6_T7_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>L6_T7_65731.exe
We find even and odd number
Number=0123456789
Even=02468
Odd=13579
C:\>edit L6_T7_65731.asm

C:\>_
```