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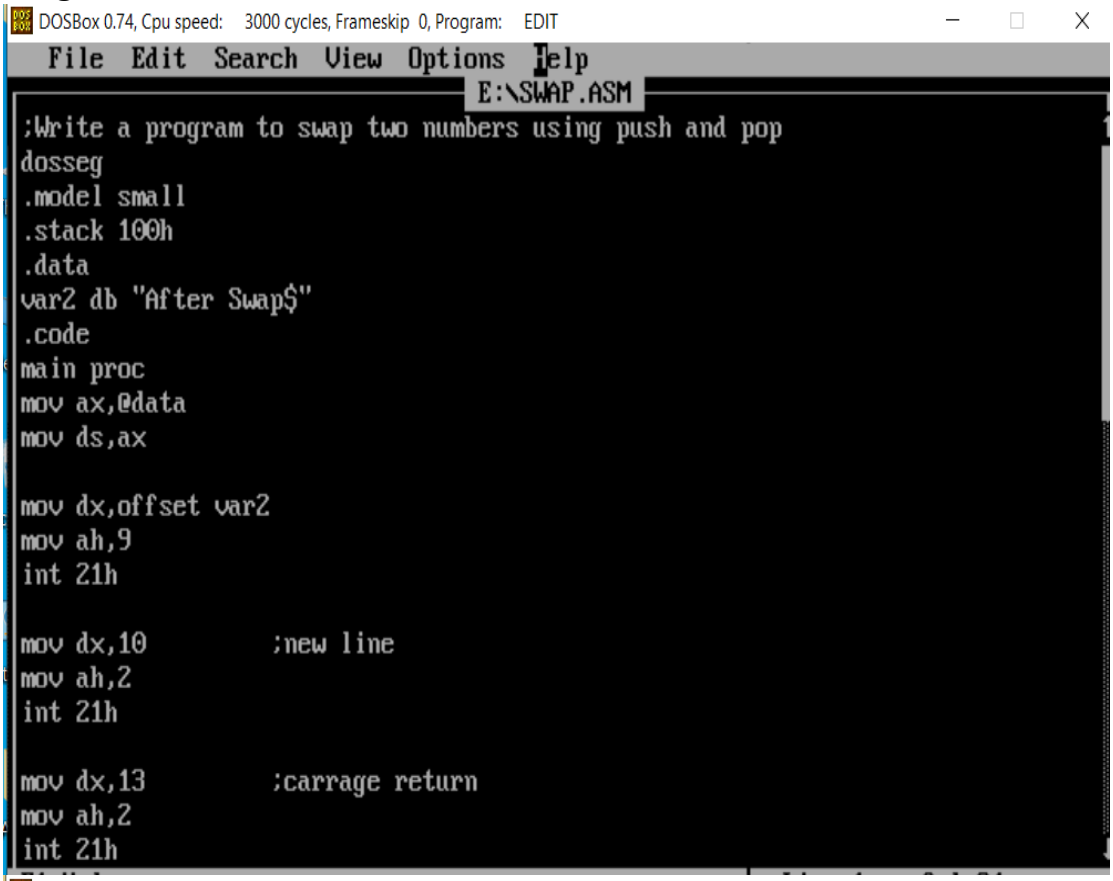
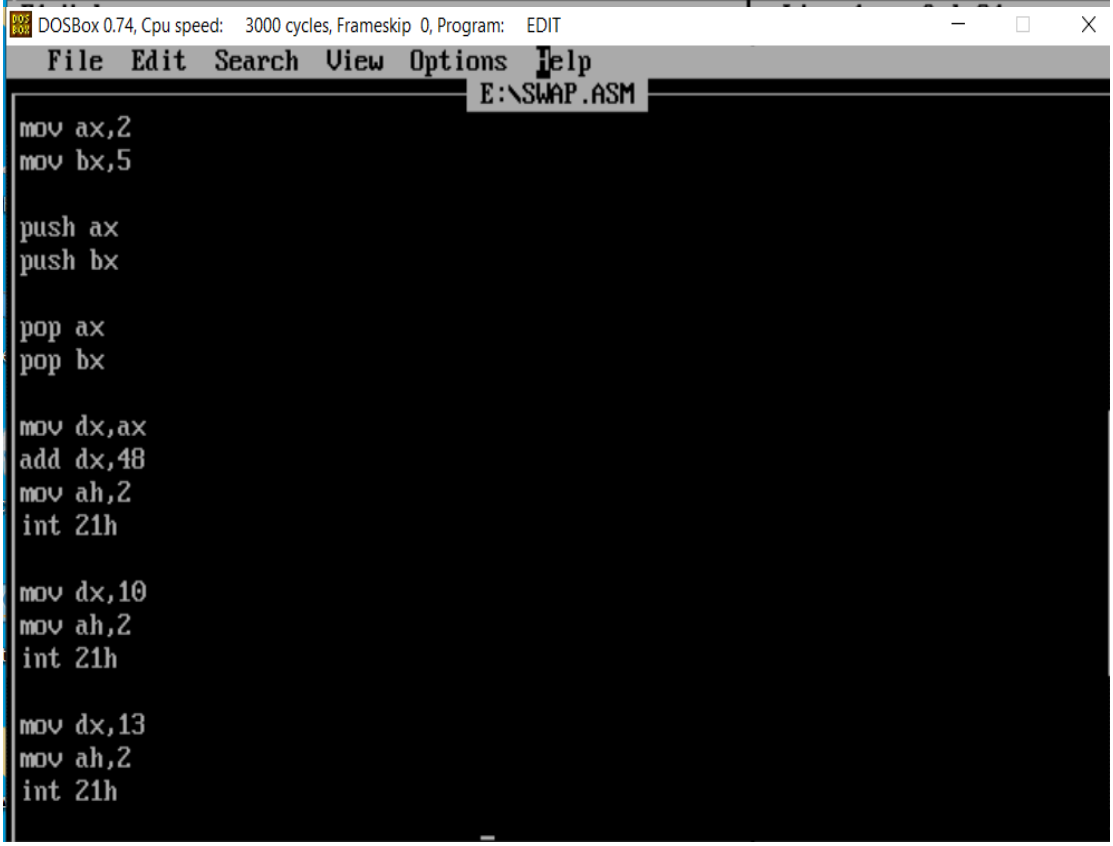
**COURSE NAME: ASSEMBLY LANGUAGE**
**COURSE CODE: 402**
**DEPARTMENT: COMPUTER SCIENCE**

Task 1: SWAP TWO NUMBERS

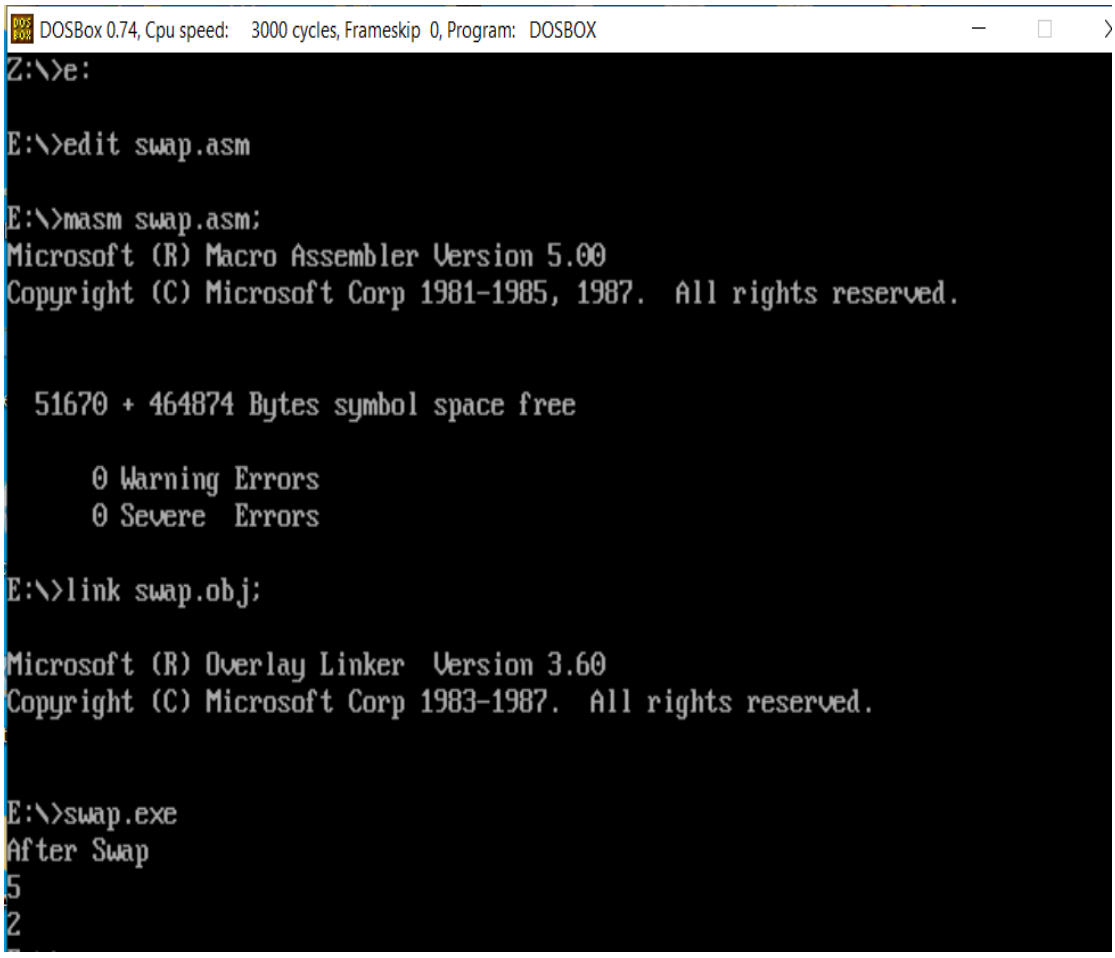
## Program:



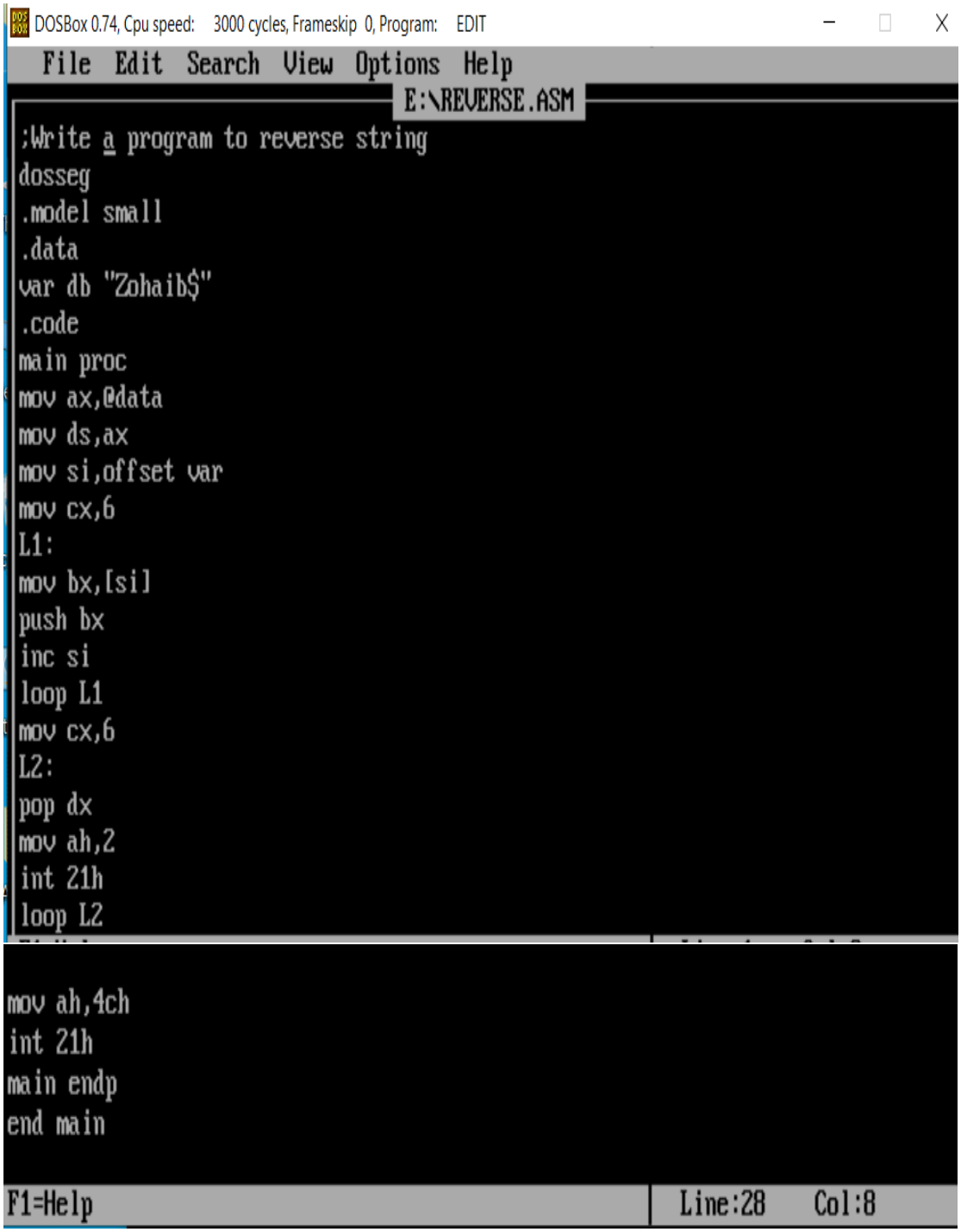



```
mov dx,bx
add dx,48
mov ah,2
int 21h

mov ah,4ch
int 21h

main endp
end main
```

**OUTPUT:**



## Task 2: Reverse String

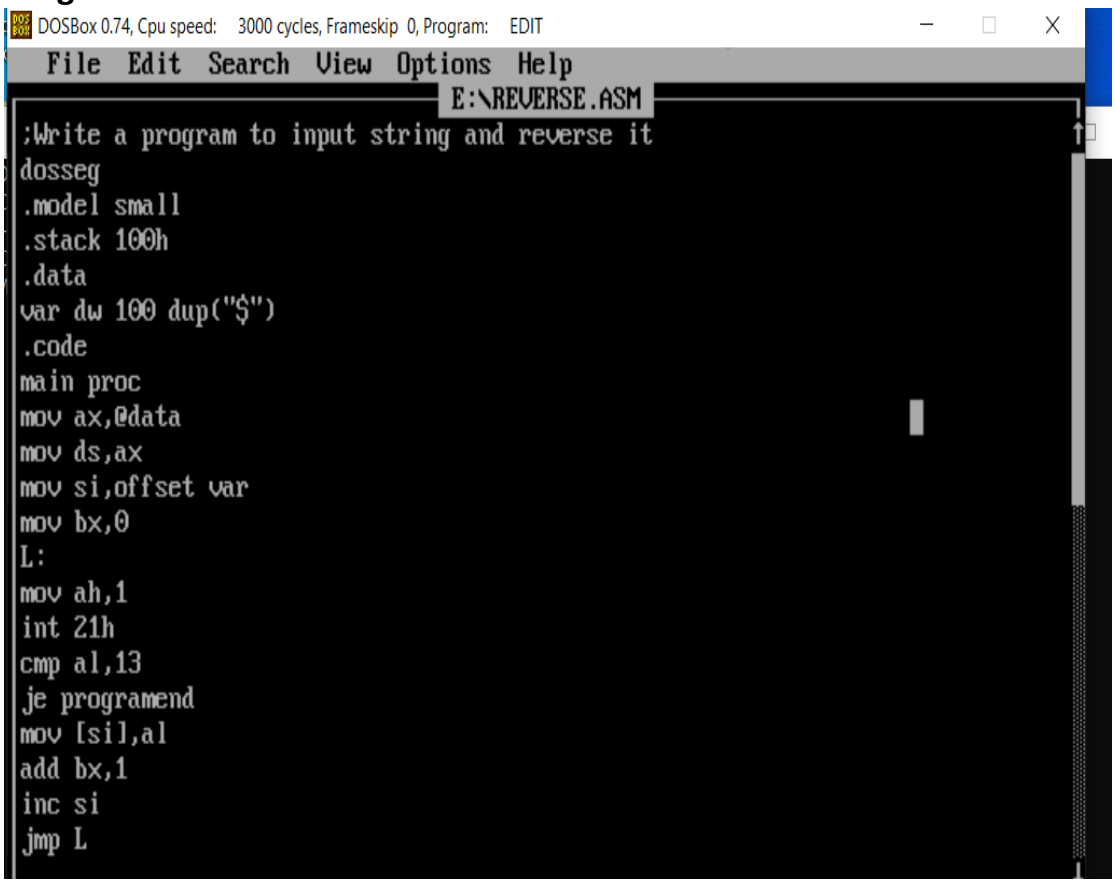


**OUTPUT:**

```
E:\>edit reverse.asm

E:\>masm reverse.asm;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.


  51624 + 464920 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

E:\>link reverse.obj;

Microsoft (R) Overlay Linker  Version 3.60
Copyright (C) Microsoft Corp 1983-1987.  All rights reserved.

LINK : warning L4021: no stack segment

E:\>reverse.exe
biahoZ
```

**Task 3(input string and reverse it)**

**Program:**




E:\REVERSE.ASM
programend:
mov dx,offset var
mov ah,9
int 21h
mov cx,bx
mov si,offset var
L1:
mov ax,[si]
push ax
inc si
loop L1
L2:
pop ax
loop L2
mov ah,9
int 21h
mov ah,4ch
int 21h
main endp