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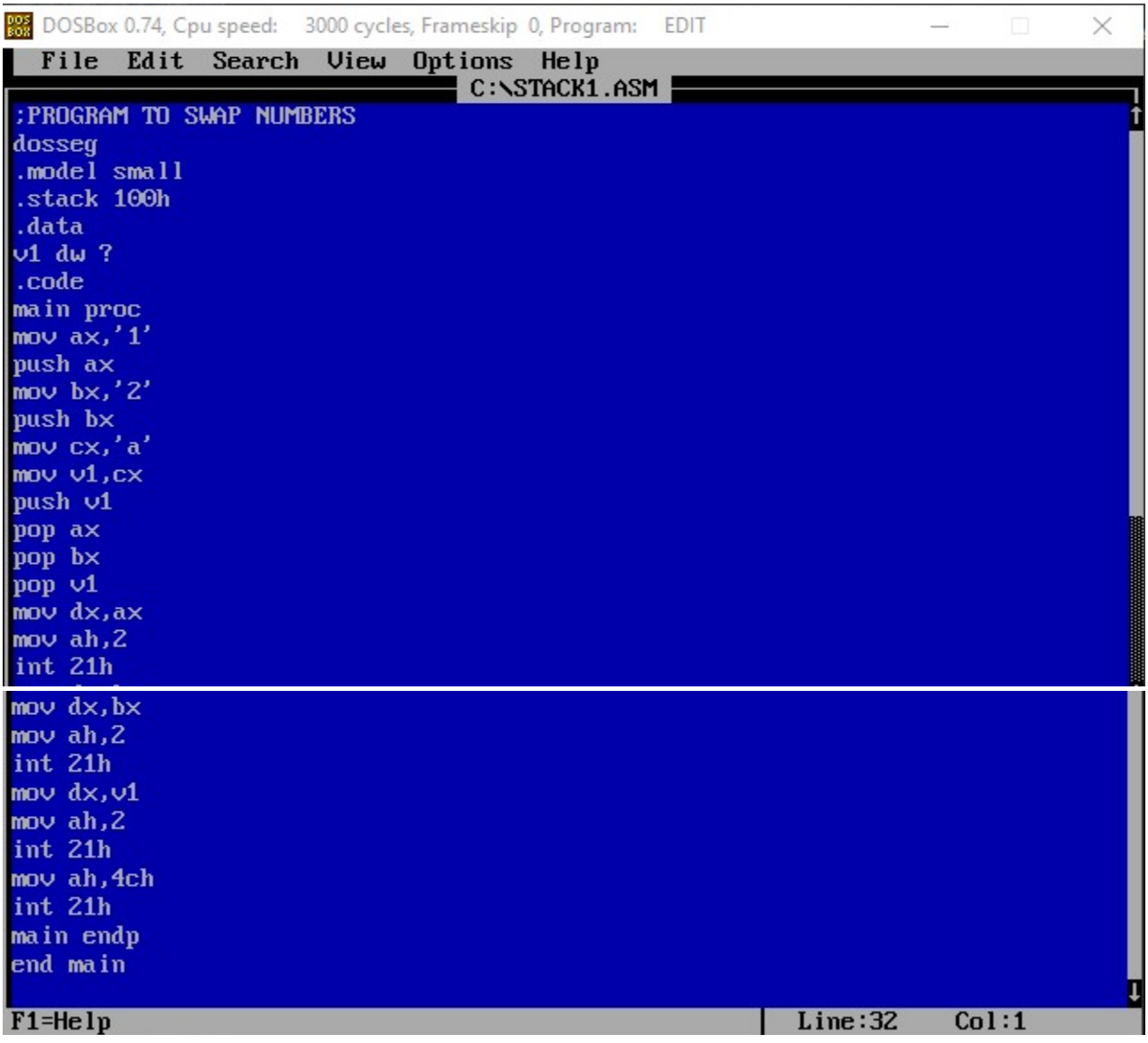
LAB TASK # 6

Using STACK:

1. Program to Swap TWO NUMBERS.

Code:

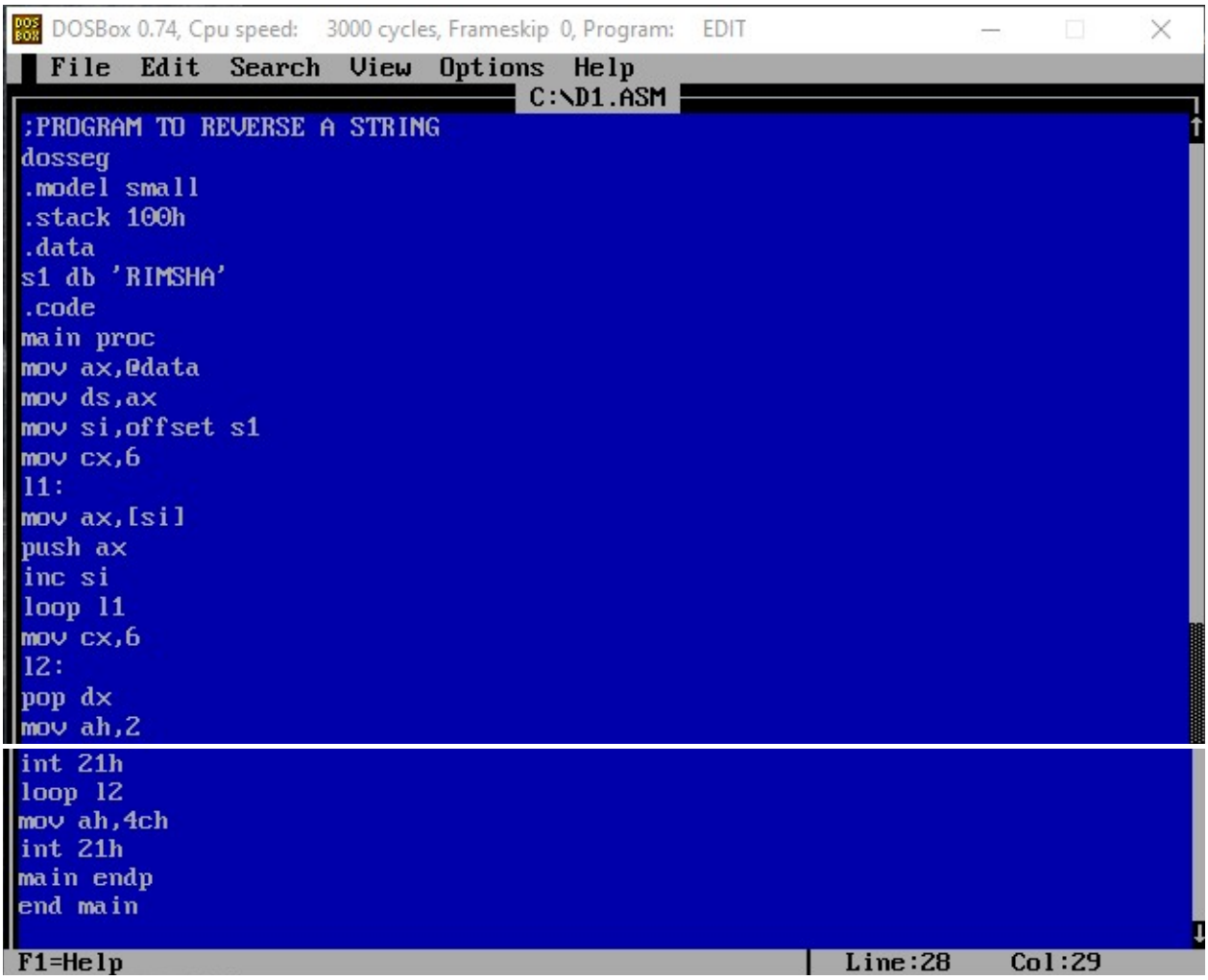


Output:

```
C:\>stack1.exe
a21
C:\>
```

2. Program to REVERSE a String.

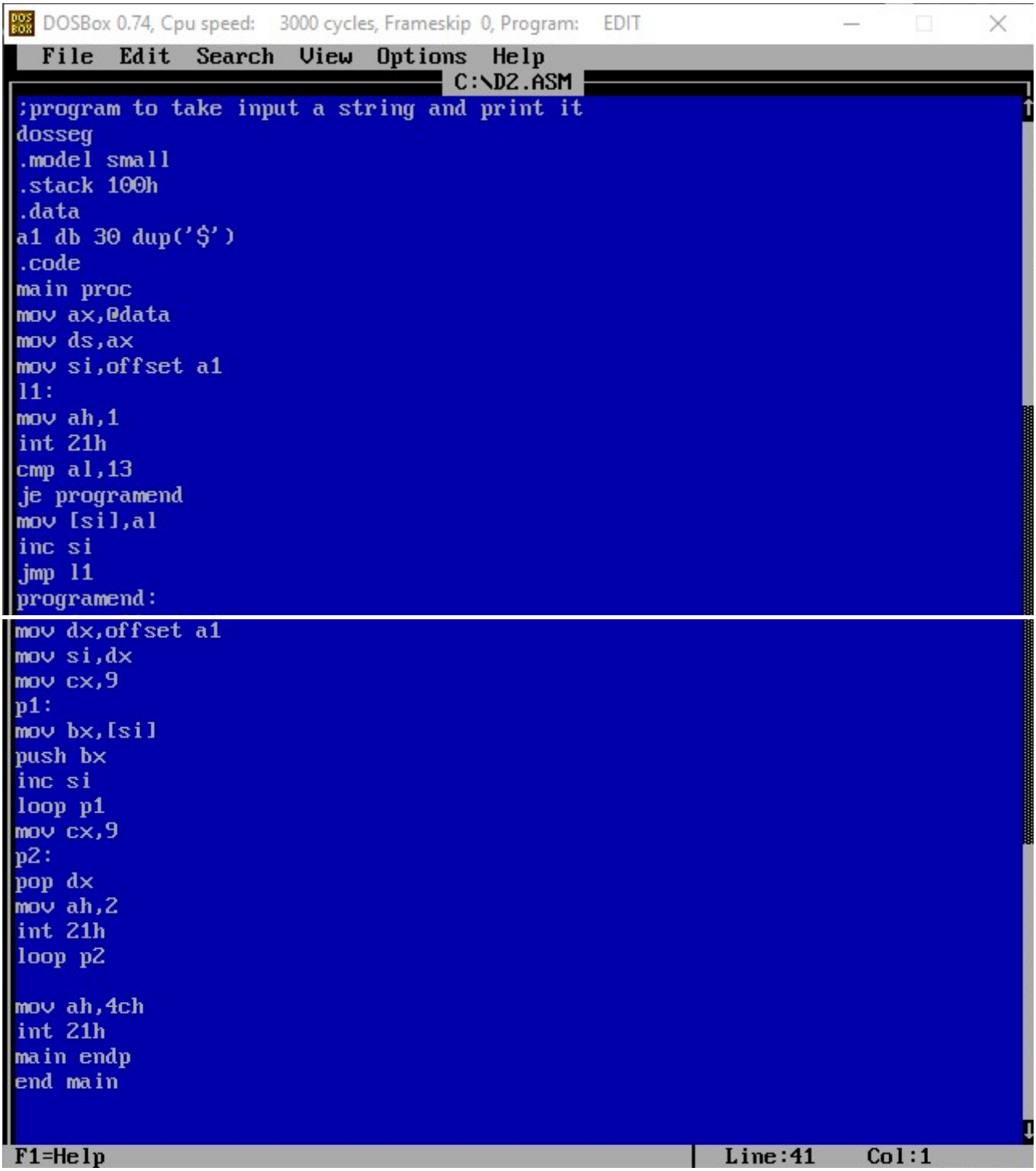
Code:



Output:

3. Input a string and reverse it.

Code:


DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT
File Edit Search View Options Help
C:\D2.ASM
;program to take input a string and print it
dosseg
.model small
.stack 100h
.data
a1 db 30 dup('$')
.code
main proc
mov ax,@data
mov ds,ax
mov si,offset a1
l1:
mov ah,1
int 21h
cmp al,13
je programend
mov [si],al
inc si
jmp l1
programend:
mov dx,offset a1
mov si,dx
mov cx,9
p1:
mov bx,[si]
push bx
inc si
loop p1
mov cx,9
p2:
pop dx
mov ah,2
int 21h
loop p2
mov ah,4ch
int 21h
main endp
end main
F1=Help
Line:41 Col:1

Output:


C:\>d2.exe
rimsha
$$$ahsmir
C:\>