

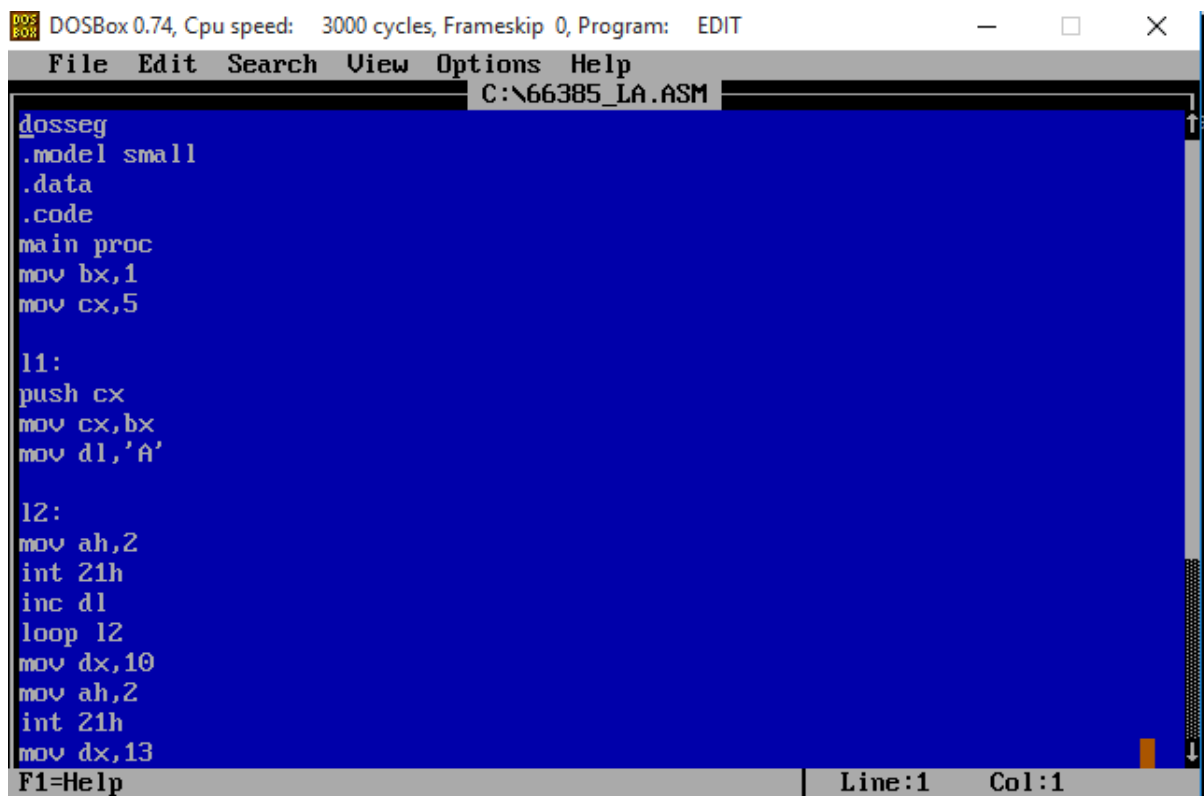
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### Lab Task # 7

Write a program in which take A to E by using nested loop and display the given below pattern.


```
A
AB
ABC
ABCD
ABCDE
```



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT
File Edit Search View Options Help
C:\66385_LA.ASM
dosseg
.model small
.data
.code
main proc
mov bx,1
mov cx,5

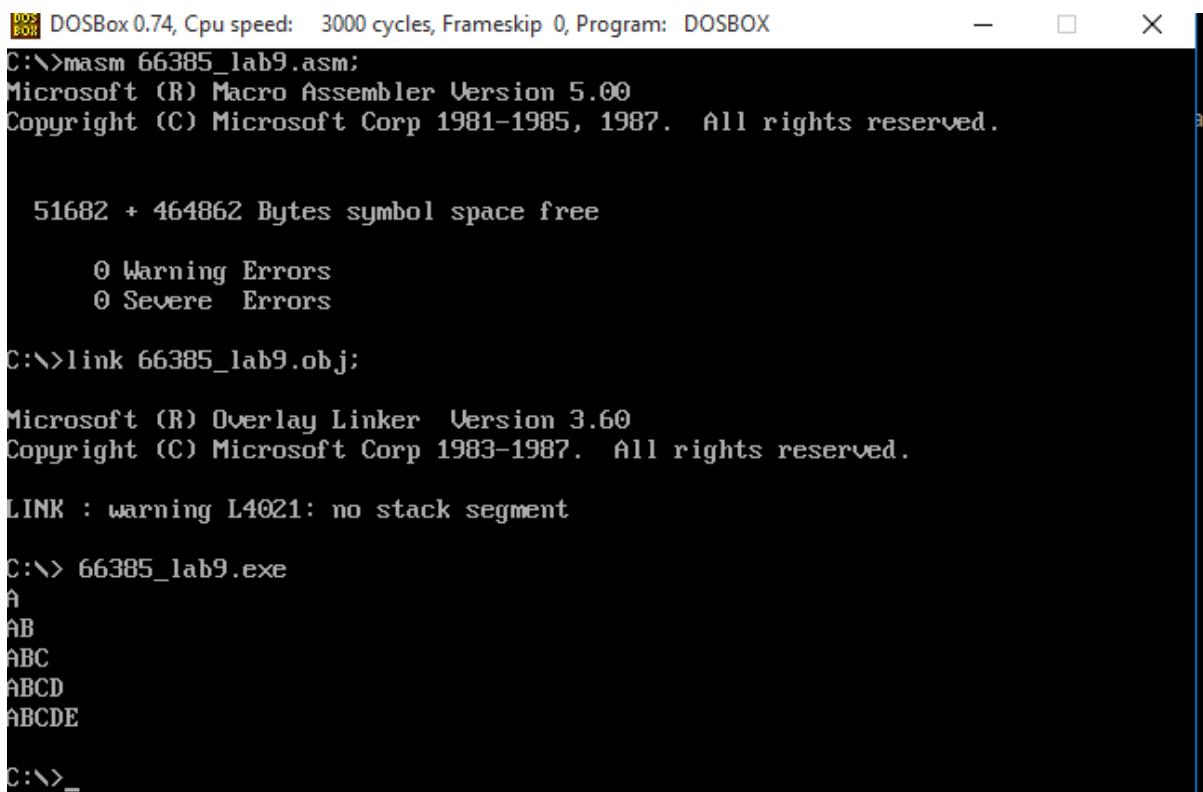
l1:
push cx
mov cx,bx
mov dl,'A'

l2:
mov ah,2
int 21h
inc dl
loop l2
mov dx,10
mov ah,2
int 21h
mov dx,13
F1=Help
Line:1 Col:1
```



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT
File Edit Search View Options Help
C:\66385_LA.ASM
mov cx,bx
mov dl,'A'

12:
mov ah,2
int 21h
inc dl
loop 12
mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h
inc bx
pop cx
loop 11
mov ah,4ch
int 21h
main endp
end main
F1=Help Line:11 Col:1
```



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
C:\>masm 66385_lab9.asm:
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

51682 + 464862 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\>link 66385_lab9.obj:

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

LINK : warning L4021: no stack segment

C:\> 66385_lab9.exe
A
AB
ABC
ABCD
ABCDE
C:\>_
```

Write a program in which take 1 to 5 by using nested loop and display the given below pattern.

1  
12  
123  
1234  
12345

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT

File Edit Search View Options Help

C:\66385\_LA.ASM

```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov bx,5
l1:
push cx
mov cx,bx

L2:
mov dl,'*'
mov ah,2
int 21h

loop l2
mov dl,10
mov ah,2
int 21h

mov dl,13
```

F1=Help | Line:6 Col:30

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT

File Edit Search View Options Help

C:\66385\_LA.ASM

```
mov ah,2
int 21h

loop 12
mov dl,10
mov ah,2
int 21h

mov dl,13
mov ah,2
int 21h

dec bl
pop cx
cmp bl,0
jne l1

mov ah,4ch
int 21h
main endp
end main
```

F1=Help | Line:19 Col:30

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

```
C:\>masm 66385_lab9.asm;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

51680 + 464864 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\>link 66385_lab9.obj;

Microsoft (R) Overlay Linker Version 3.60
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C:\> 66385_lab9.exe
*****
*****
****
**
*

C:\>
```