Muhammad Ahmed Baig   20i-1884   Lab task

Task5

.model small

.stack 100h

.data

.code

main proc

mov ah,01h

int 21h

mov dl,al

add al,1
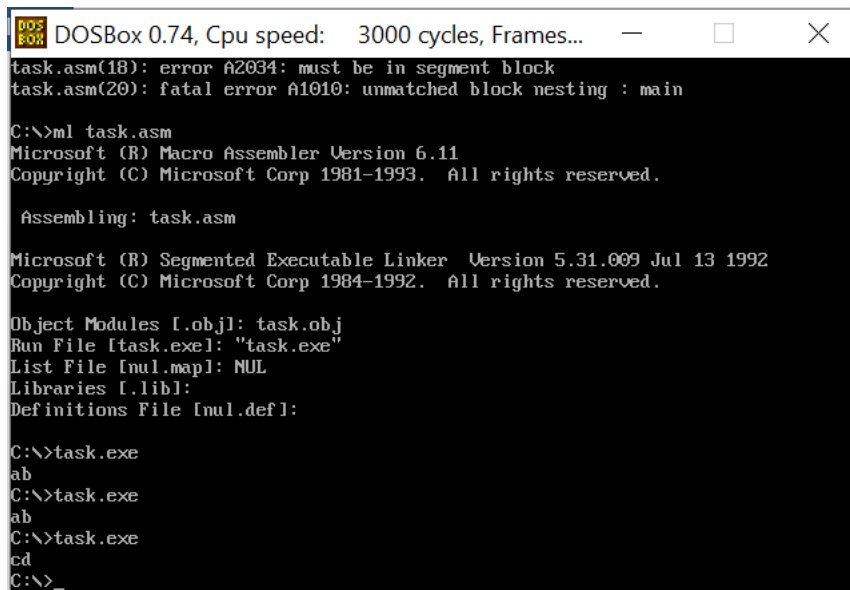
mov ah,02h

mov dl,al

int 21h

mov ah,4ch

int 21h

main endp

end main


```
task.asm(18): error A2034: must be in segment block
task.asm(20): fatal error A1010: unmatched block nesting : main

C:\>ml task.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993.  All rights reserved.

 Assembling: task.asm

Microsoft (R) Segmented Executable Linker  Version 5.31.009 Jul 13 1992
Copyright (C) Microsoft Corp 1984-1992.  All rights reserved.

Object Modules [.obj]: task.obj
Run File [task.exe]: "task.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

C:\>task.exe
ab
C:\>task.exe
ab
C:\>task.exe
cd
C:\>_
```

Task 6

```
.model small
.stack 100h
.data
.code
main proc
mov ah,01h
int 21h
mov ch,al
mov ah,01h
int 21h
mov bl,al
mov ah,01h
int 21h
mov bh,al
mov ah,01h
int 21h
mov cl,al
add ch,1
mov ah,02h
mov dl,ch
int 21h
add cl,1
mov ah,02h
mov dl,cl
int 21h
add bh,1
mov ah,02h
```
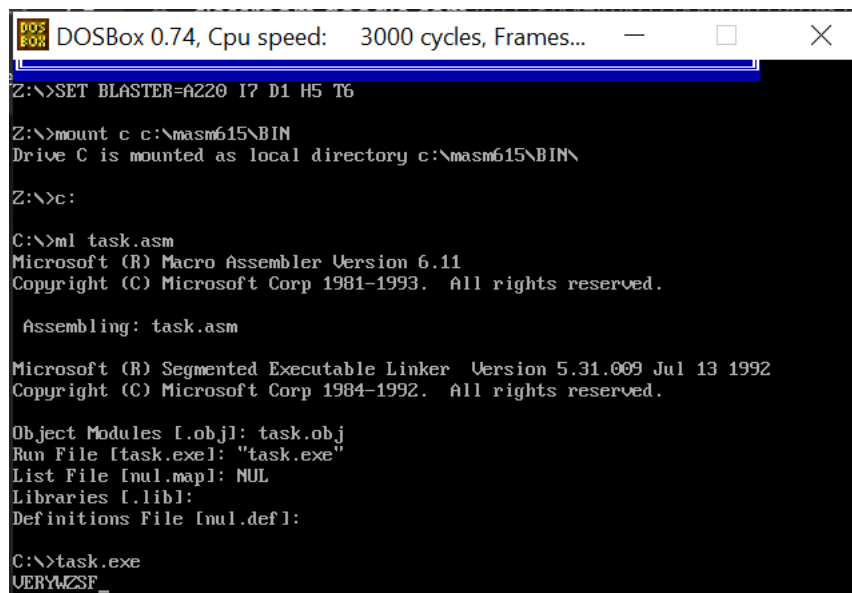
```
mov dl,bh

int 21h

add bl,1

mov ah,02h

mov dl,bl

int 21h

main endp

end main
```



```
DOSBox 0.74, Cpu speed:    3000 cycles, Frames...    —    ☐    ✕

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount c c:\masm615\BIN
Drive C is mounted as local directory c:\masm615\BIN\

Z:\>c:

C:\>ml task.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993.  All rights reserved.

 Assembling: task.asm

Microsoft (R) Segmented Executable Linker  Version 5.31.009 Jul 13 1992
Copyright (C) Microsoft Corp 1984-1992.  All rights reserved.

Object Modules [.obj]: task.obj
Run File [task.exe]: "task.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

C:\>task.exe
VERYWZSF_
```

Task 7

```
.model small
.stack 100h
.data
.code
main proc
mov ah,01h
int 21h
mov ch,al
mov ah,01h
int 21h
mov bl,al
sub ch,48
sub bl,48
add ch,bl
add ch,48
mov dl,ch
mov ah,02h
int 21h
main endp
end main
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frames...    —    □    ✕

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount c c:\masm615\BIN
Drive C is mounted as local directory c:\masm615\BIN\

Z:\>c:

C:\>ml task.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993.  All rights reserved.

 Assembling: task.asm

Microsoft (R) Segmented Executable Linker  Version 5.31.009 Jul 13 1992
Copyright (C) Microsoft Corp 1984-1992.  All rights reserved.

Object Modules [.obj]: task.obj
Run File [task.exe]: "task.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

C:\>task.exe
123
```

Task 8

```
.MODEL SMALL
.STACK 100H
.DATA
.CODE
main proc
mov ah,01h
int 21h
mov ch,al
mov ah,01h
int 21h
mov bl,al
sub ch,48
sub bl,48
sub ch,bl
add ch,48
mov dl,ch
mov ah,02h
int 21h
mov ah,4ch
int 21h
main endp
end main
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frames...    —    □    ✕

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount c c:\masm615\BIN
Drive C is mounted as local directory c:\masm615\BIN\

Z:\>c:

C:\>ml task.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993.  All rights reserved.

 Assembling: task.asm

Microsoft (R) Segmented Executable Linker  Version 5.31.009 Jul 13 1992
Copyright (C) Microsoft Corp 1984-1992.  All rights reserved.

Object Modules [.obj]: task.obj
Run File [task.exe]: "task.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

C:\>task.exe
826
C:\>_
```