

Lab #13

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20i-1884

Section B

Task1

```
.MODEL SMALL  
.stack 100h
```

```
.DATA
```

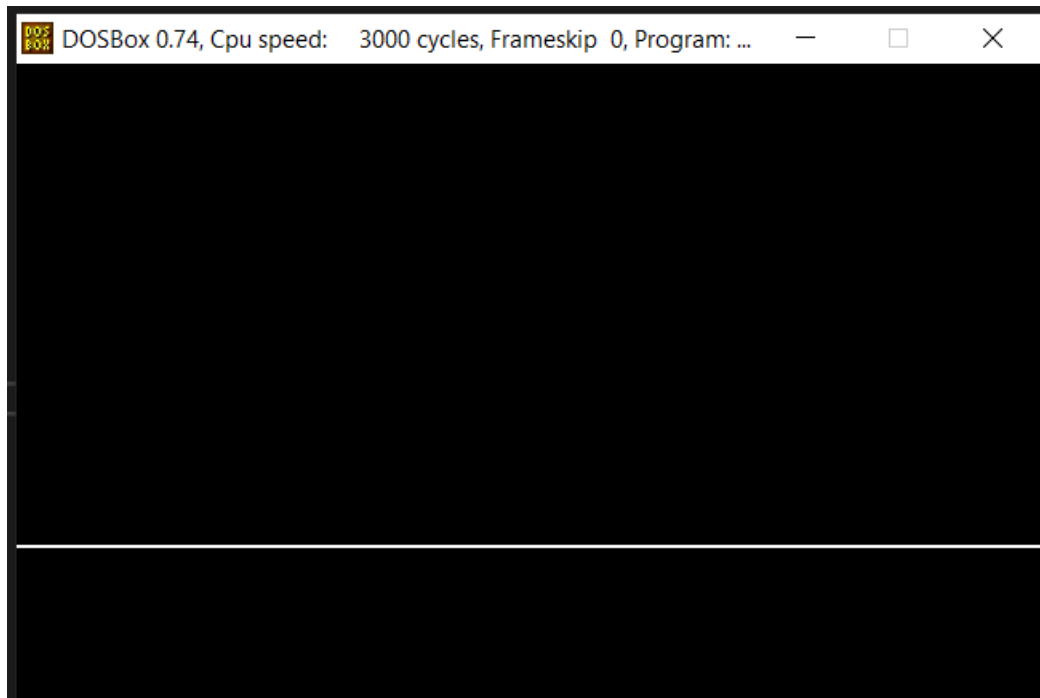
```
.CODE  
mov ah,00h  
mov al,6  
int 10h
```

```
mov ah,0ch  
mov al,01  
mov cx,0  
mov dx,150
```

```
L1:  
int 10h  
inc cx  
cmp cx,639  
JLE L1  
MOV ah,0  
int 16h  
mov ax,3  
int 10h
```

```
mov ah,4ch  
int 21h
```

```
end
```



Task2

```
.model small
.stack 100h
.data

.code
main proc
mov ah,06h
mov al,6
int 10h

mov ah,06h
mov al,10
mov bh,00010000b
mov ch,0
mov cl,0
mov dh,15
mov dl,15
int 10h

mov ah,4ch
int 21h

main endp
end main
```

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: ...
A220 I7 D1 H5 T6
Assembling: tas
asm615\BIN
Microsoft (R) Seed as local directory c:\masm615\BIN\
Copyright (C) Mi
Micro Assembler Version 6.11
Microsoft Corp 1981-1993. All rights reserved.
k.asm
gmented Executable Linker Version 5.31.009 Jul 13 1992
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
C:\>
```

Task3

```
.MODEL SMALL
.stack 100h
.386
.DATA
11 db 'Ahmed$'
.CODE

main proc

mov ax,@data
mov ds,ax

mov ah,06h
mov al,0
mov bh, 2

mov ch, 0
mov cl, 0
mov dh, 10h
mov dl, 4fh

int 10h

mov ah,02
mov bh,0

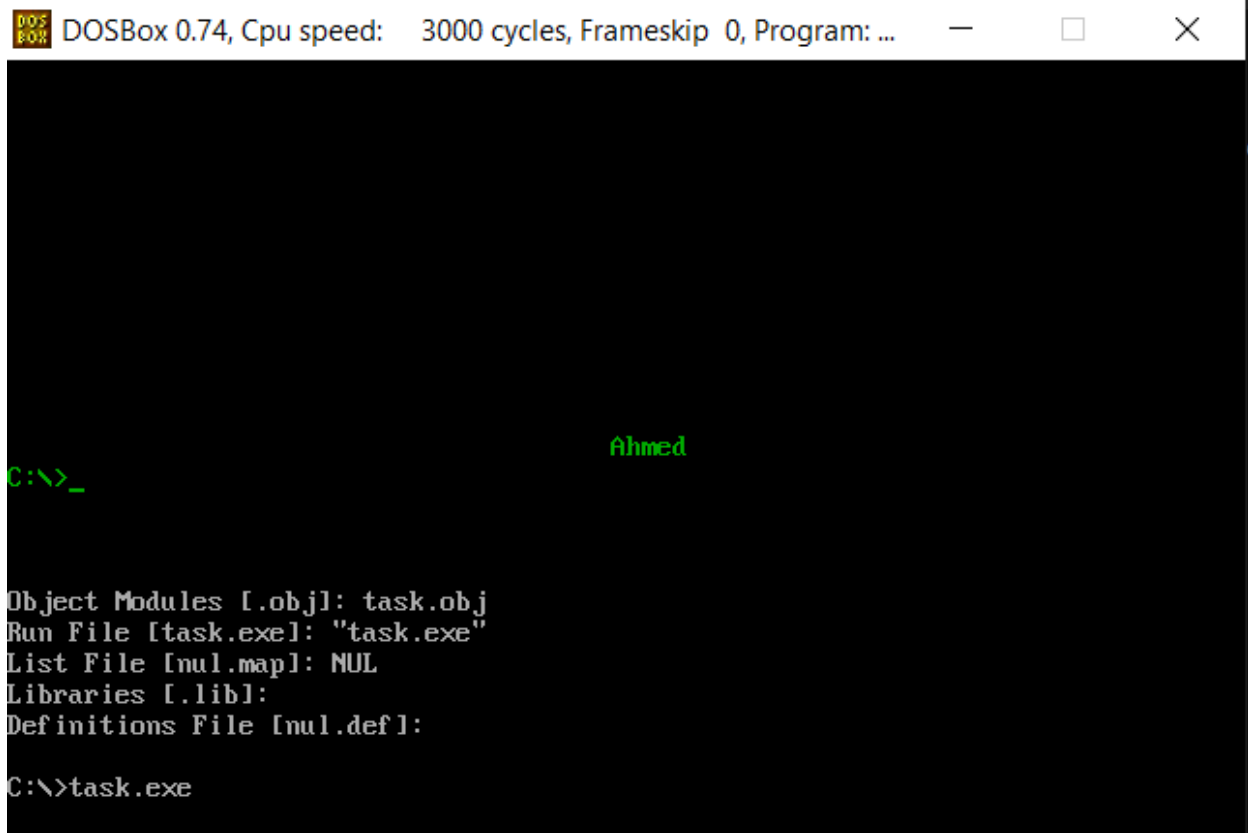
mov dh,0ch
mov dl,27h
int 10h

lea bx,11
```

```
mov dx,bx
mov ah,09
int 21h
```

```
mov ah,4ch
int 21h
```

```
main endp
end main
```



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

Ahmed

C:\>_

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

Task4

```
.MODEL SMALL
.stack 100h
.386
.DATA
.CODE
```

```
main proc
```

```
mov ax,@data
mov ds,ax
```

```
mov ax,0
int 33h
cmp ax,0
```

```
je exit
```

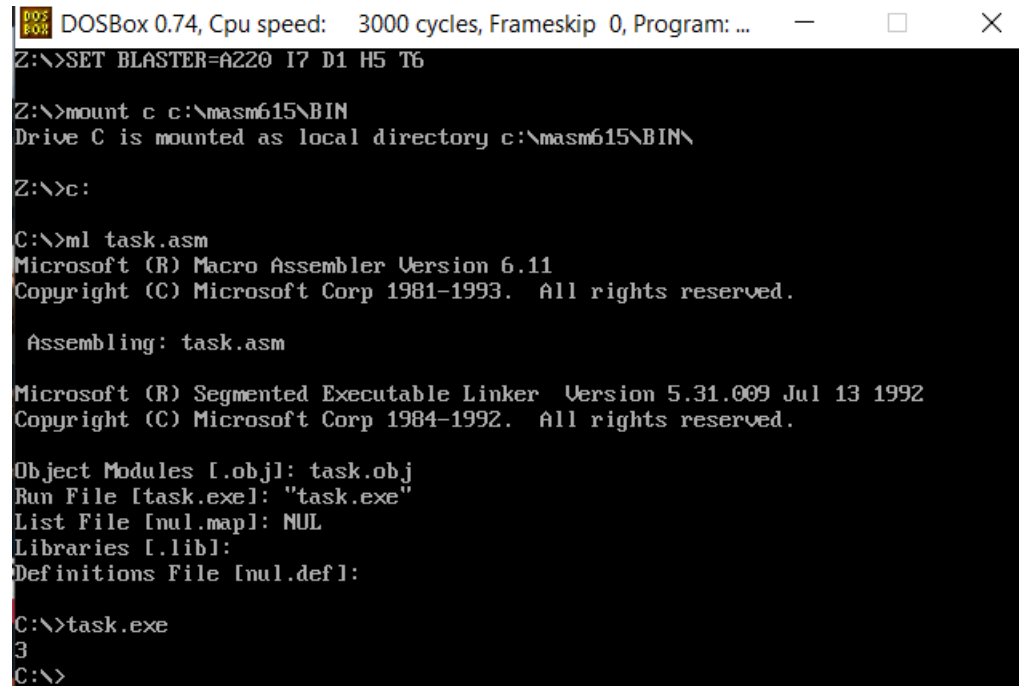
```

mov dl,b1
add dl,48
mov ah,02
int 21h

exit:
mov ah,4ch
int 21h

main endp
end main

```



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

```

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
3
C:\>

```

Task5

```

.MODEL SMALL
.stack 100h
.386
.DATA

.CODE

mov ah,00h
mov al, 12h
int 10h

mov ax,1
int 33h

mov cx, 200
mov dx,200
mov ax, 4
int 33h

mov ah,4ch

```

```
int 21h
```

```
end
```

