

TASK 1

```
task - Notepad
File Edit Format View Help
.MODEL SMALL
.STACK 100H
.DATA

.CODE

main proc
mov dl,'A'
mov ah,2
int 21h

mov dl,'H'
mov ah,2
int 21h

mov dl,'M'
mov ah,2
int 21h

mov dl,'E'
mov ah,2
int 21h

mov dl,'D'
mov ah,2
int 21h

mov ah,4ch
int 21h ;return 0

main endp
end main
```

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frames...
Run File [task.exe]: "task.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

C:\>task.exe
ALI
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
AHMED
C:\>
```

TASK 2

```
task - Notepad
File Edit Format View Help
.model small
.stack 100h
.code

main proc

mov ah,01
int 21h

mov dl,al

mov ah,02
int 21h

main endp
end main
```

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frames...
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
Aa
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
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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
hh
```

TASK 3

```
task - Notepad
File Edit Format View Help
.MODEL SMALL
.STACK 100H
.DATA

.CODE

main proc

mov ah, 01h
int 21h

sub al, 32
mov dl, al

mov ah, 02h
int 21h

mov ah, 4ch
int 21h ;return 0

main endp
end main
```

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frames...
Run File [task.exe]: "task.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

C:\>task.exe
AHMED
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
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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
sS
C:\>_
```

TASK 4

```
task - Notepad
File Edit Format View Help
.MODEL SMALL
.STACK 100H
.DATA

.CODE

main proc

mov ah, 01h
int 21h
add al,32

mov ah, 02h
mov dl, al
int 21h

mov ah,4ch
int 21h ;return 0

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
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Assembling: task.asm

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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
Aa
C:\>
```