TASK 1: .model small .stack .data .code main proc

mov al,3 mov bl,2 call mult call disp call exit main endp

mult proc mul bl mult endp ret

disp proc mov dx,ax add dx,48 mov ah,02 int 21h ret disp endp

exit proc mov ah,4ch int 21h exit endp end main

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
                                                                                 X
Libraries [.lib]:
Definitions File [nul.def]:
C:\>182
C:\>181
C:\>ml 181.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993. All rights reserved.
 Assembling: 181.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]: 181.obj
Run File [181.exe]: "181.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:
C:\>181
C:\>_
For values 2 & 3
TASK 2:
.model small
.stack
.data
.code
main proc
mov al,7
mov bl.2
call mult
call exit
main endp
mult proc
div bl
mov cl.al
mov ch,ah
add cl,48
mov dl,cl
mov ah,02
int 21h
add ch,48
```

mov dl,ch mov ah.02 int 21h mult endp ret

exit proc mov ah,4ch int 21h exit endp

```
end main
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
                                                                               \times
RENIANDER: 7
C:\>182
Dividend : α
Divisor : H
QUOTIENT : 0
RENIANDER: 0
C:\>ml 182.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993. All rights reserved.
 Assembling: 182.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]: 182.obj
Run File [182.exe]: "182.exe"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:
C:\>182
31
C:\>
TASK 3
.Model Small
.Stack 100H
.Data
```

dividend DW 8 divisor DW 2 quo DB? rem DB?

.Code main proc Mov Ax,@data Mov Ds,Ax

Push dividend Push divisor

Call division Call Exit main endp

division proc Push Bp Mov Bp,Sp Mov Ax, [Bp+6] Mov Bl, [Bp+4] Div Bl Mov quo,Al Mov rem,Ah Pop Bp Ret Division endp

Exit proc Mov Ah,4ch INT 21H Ret Exit endp

End main

