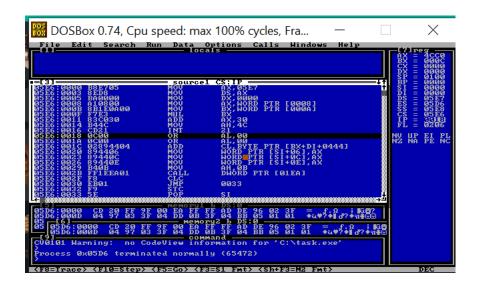
20i-1884 Muhammad Ahmed Baig Lab04

Task1 .model small .stack 100h .data var dw 12 var1 dw 12 .code main proc mov ax, @data mov ds, ax mov dx, 0 mov ax, var mov bx, var1 mul bx add ax, 48 mov ah, 4ch int 21h main endp

end main



Task2

.MODEL SMALL

.STACK 100H

.DATA

VAR1 DW 11

VAR2 DW 4

Q DW?

R DW?

.CODE

main proc

MOV AX,@DATA

MOV DS,AX

mov dx,0

MOV AX,VAR1

MOV BX,VAR2 DIV BX MOV Q,AX ;ax is quotient MOV R,DX ;dx is remainder

MOV DX,Q ADD DX,48

MOV AH,02

INT 21H

MOV DX,13

MOV AH,02

INT 21H

MOV DX,10

MOV AH,02

INT 21H

MOV DX,R

ADD DX,48

MOV AH,02

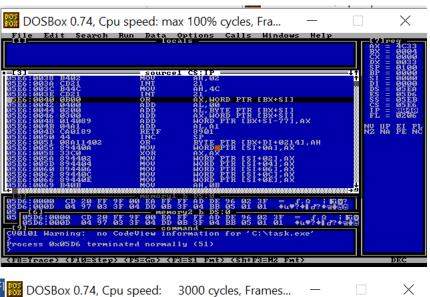
INT 21H

mov AH,4ch

int 21h

main endp

end main



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

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

2
3
C:\>
```

Task3

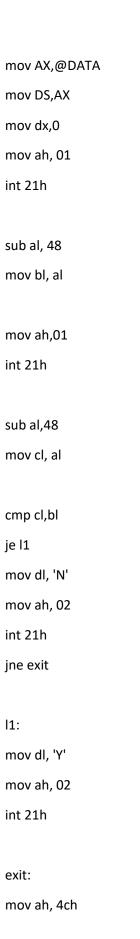
.model small

.stack 100h

.data

.CODE

main proc



int 21h

main endp

end main

