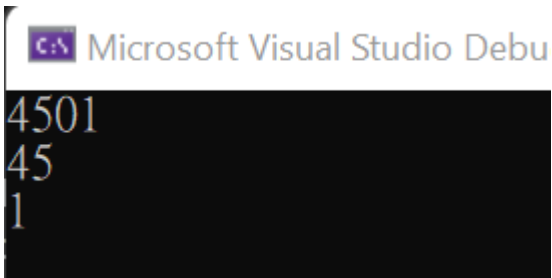


報告標題: lab7, 組別: 48, 姓名學號: 曾千芸109504501 賈子悅110502514

程式碼截圖:

```
1  include Irvine32.inc
2
3  divide MACRO dd,dr,q,r                ; a macro named divide with parameter named dd, dr, q, r
4      mov edx,0                        ; define edx = 0
5      mov ecx,100                      ; define ecx = 100
6      div cx                          ; divide
7      mov q,ax                        ; move ax to q
8      mov r,dx                        ; move dx to r
9  ENDM
10 .data
11 dividend WORD 4501
12 divisor WORD 100
13 quotient WORD 1 DUP(?)
14 remainder WORD 1 DUP(?)
15 .code
16 main PROC
17     movsx eax,dividend
18     call WriteDec                    ; display it
19     call Crlf                       ; output a CR/LF
20     divide dividend,divisor,quotient,remainder ; macro divide
21     movsx eax,quotient               ; move quotient with sign-extend into eax
22     call WriteDec                    ; display it
23     call Crlf                       ; output a CR/LF
24     movsx eax,remainder              ; move remainder with sign-extend into eax
25     call WriteDec                    ; display it
26     call Crlf                       ; output a CR/LF
27     exit
28 main ENDP
29 END main
```



Microsoft Visual Studio Debu

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心得:

這次實驗學習到macro的應用, 了解macro和procedure的差異與各地優缺點, 課堂中教授有請大家在實驗課心得回答macro和procedure比較哪一個運行速度比較快,我們這組認為macro的運行時間比procedure還要短,速度較快,因為macro不需要浪費時間jump只需要複製指令,就可以執程式碼。這次學習到的指令我覺得call WriteDec 和 call Crlf很有趣,因為可以將結果顯示在console window,很有成就感。