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TITLE Add and Subtract                (AddSub.asm)

; This program adds and subtracts 32-bit integers.

INCLUDE Irvine32.inc

.code

main PROC

    mov  eax,10000h                    ; EAX = 10000h
    add  eax,40000h                    ; EAX = 50000h
    sub  eax,20000h                    ; EAX = 30000h
    call DumpRegs                      ; display registers
    exit

main ENDP

END main

```

Program 2

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TITLE Add and Subtract, Version 2      (AddSub2.asm)

; This program adds and subtracts 32-bit unsigned
; integers and stores the sum in a variable.

INCLUDE Irvine32.inc

.data

val1  DWORD 10000h
val2  DWORD 40000h
val3  DWORD 20000h
finalVal  DWORD ?

.code

main PROC

mov  eax,val1                        ; start with 10000h
add  eax,val2                        ; add 40000h
sub  eax,val3                        ; subtract 20000h
mov  finalVal,eax                   ; store the result (30000h)
call  DumpRegs                      ; display the registers
exit

main ENDP

```

END main

Program 3

TITLE MASM Template

(main.asm)

; Description:

;

; Revision date:

INCLUDE Irvine32.inc

.data

myMessage BYTE "Do you Love Assembly Language?",0dh,0ah,0

.code

main PROC

 call Clrscr

 mov edx,OFFSET myMessage

 call WriteString

 exit

main ENDP

END main