ID: 17k-3795

SEC:E

TITLE Task 1

INCLUDE Irvine32.inc

.data

x byte 1

y byte 2

.code

main PROC

mov eax,0

mov al , x

mov bl , y

INC al

DEC bl

sub al,bl

add al,[y]

call writedec

exit

main ENDP

END main

TITLE Task 2

INCLUDE Irvine32.inc

.data

val1 word 8

val2 word 15

val3 word 20

.code

main PROC

mov eax,0

mov ebx ,-1

movsx eax,val2

mul ebx

add eax,7

sub ax,val3

add ax,val1

call writeint

exit

main ENDP

END main

TITLE Task 3

INCLUDE Irvine32.inc

.data

width1 byte 8

.code

main PROC

mov eax,0

mov al,width1

mul width1

call writedec

exit

main ENDP

END main

TITLE Task 4

INCLUDE Irvine32.inc

.data

width1 byte 8

length1 byte 7

.code

main PROC

mov eax,0

mov al,width1

mul length1

call writedec

exit

main ENDP

END main

TITLE Task 5

INCLUDE Irvine32.inc

.data

base byte 8

height byte 7

.code

main PROC

mov eax,0

mov ebx,0

mov al,base

mov bl,height

mul bl

mov bl,2

div bl

call writedec

exit

main ENDP

END main

TITLE Task 6

INCLUDE Irvine32.inc

.data

val1 BYTE 10h

val2 WORD 8000h

val3 DWORD 0FFFFh

val4 WORD 7FFFh

.code

main PROC

mov eax,0

mov ebx,0

mov ax,[val2]

INC ax

call writehex

call crlf

mov ebx,val3

sub eax,ebx

call writehex

call crlf

mov eax,0

mov ebx,0

mov ax,val2

mov bx,val4

sub ax,bx

call writehex

call crlf

add bx,1

call dumpregs

call crlf

mov ax,val4

add ax,1

call dumpregs

call crlf

exit

main ENDP

END main